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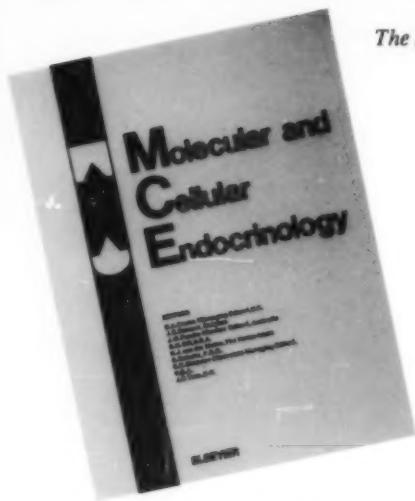
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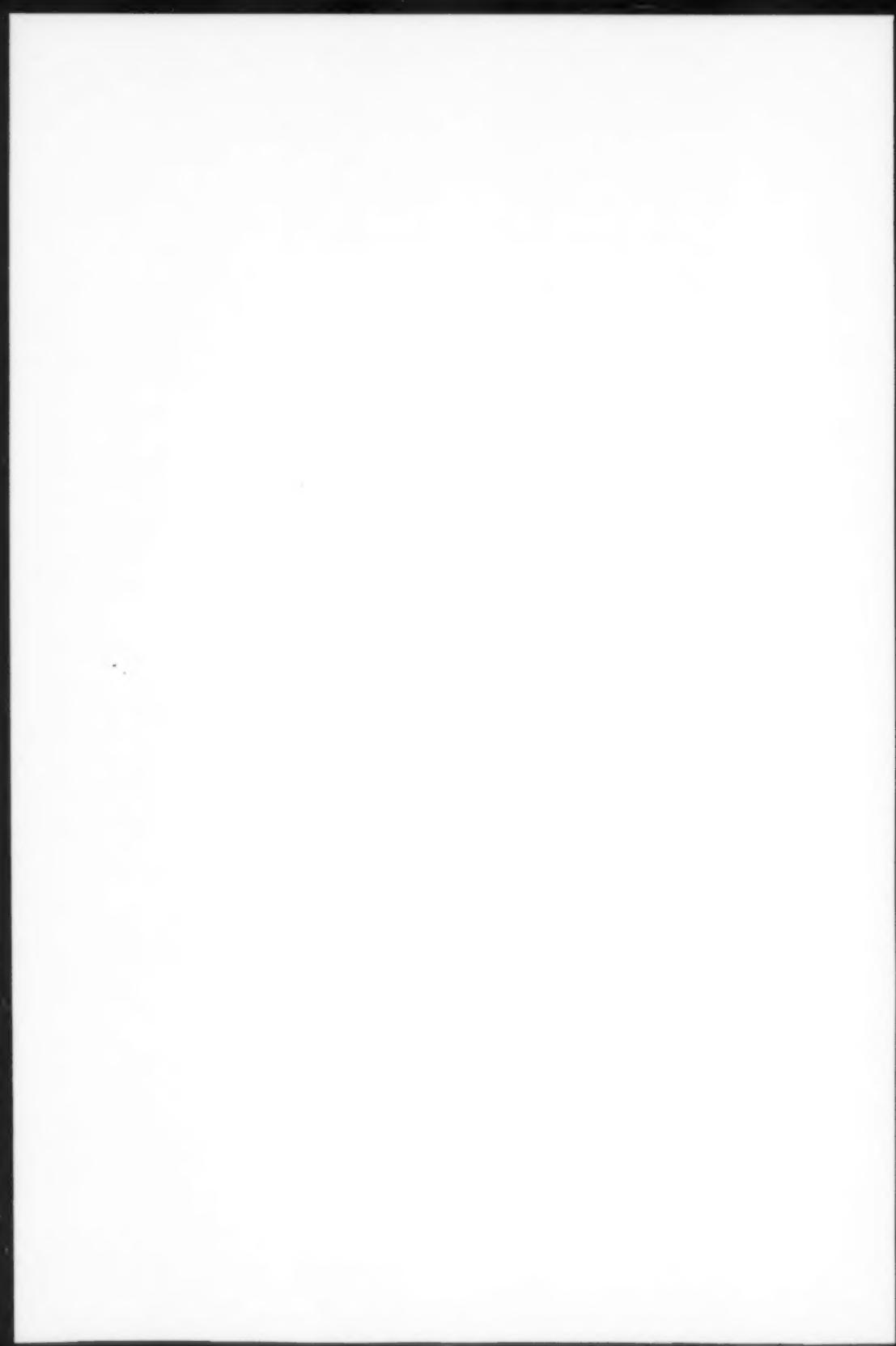
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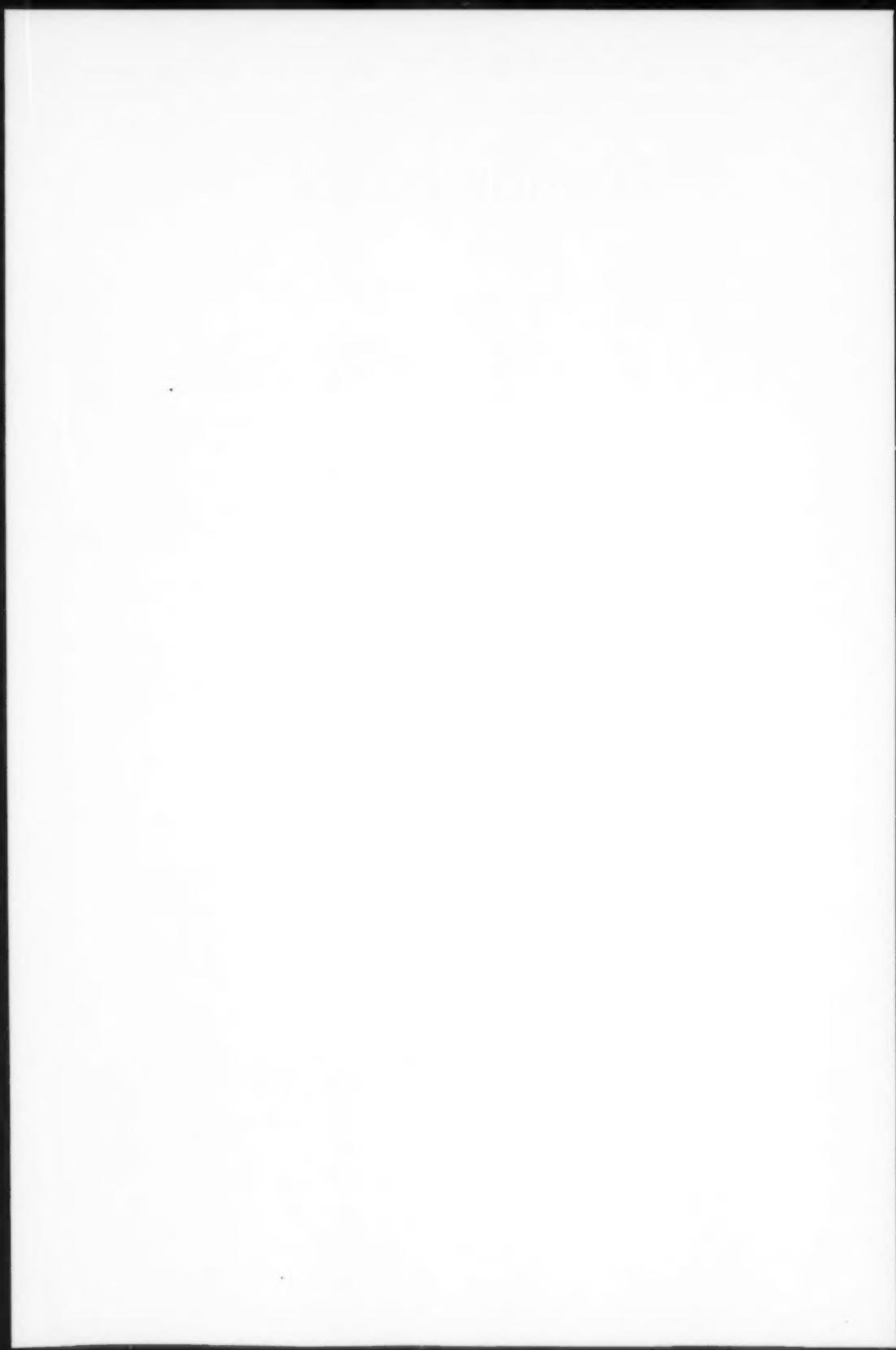
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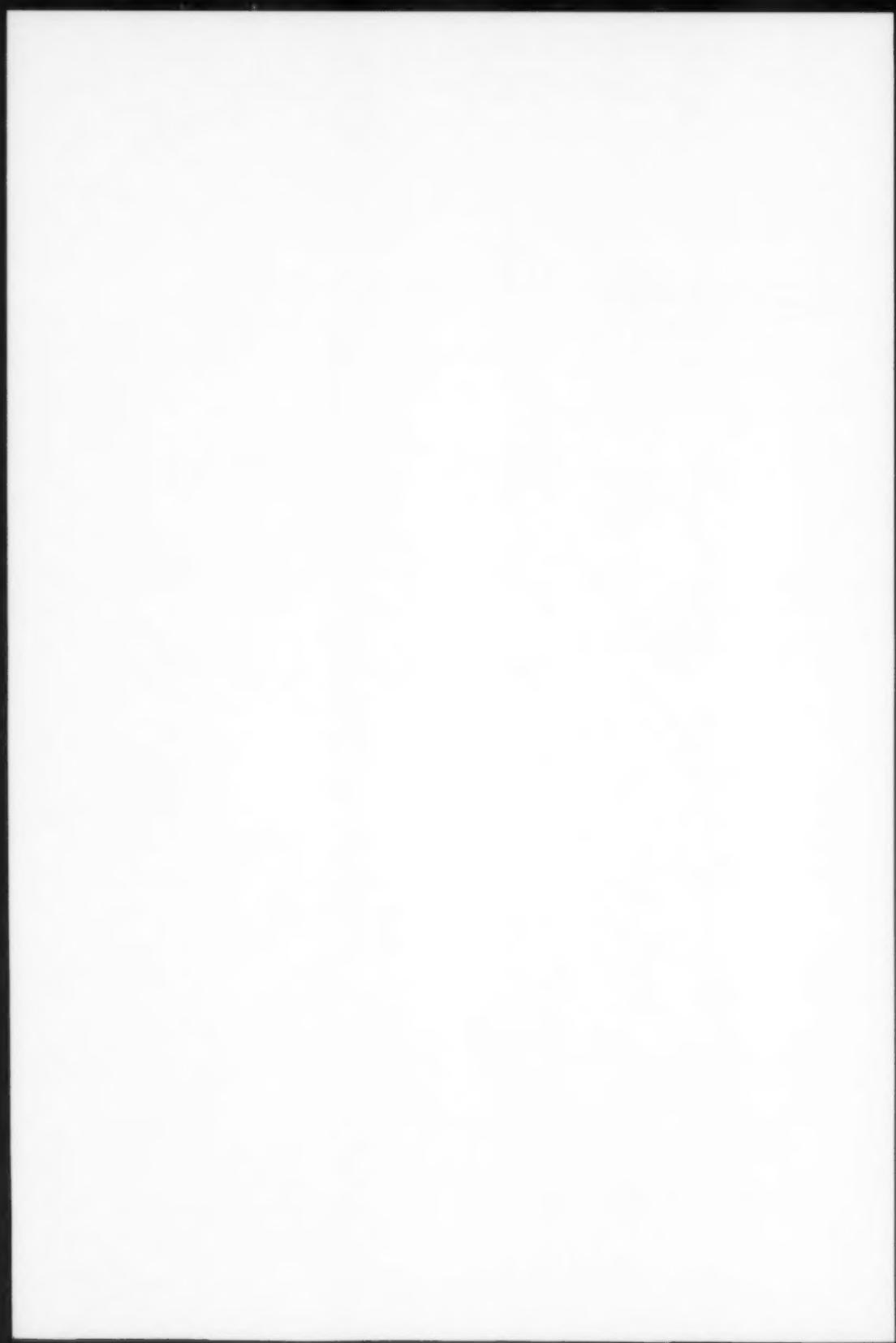
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**Amylase isoenzyme**

Pancreatitis; Amylase; Lipase; Macroamylase; Diagnostic criteria; Pancreatic pseudocyst (Lott, J.A. (183) 33)

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Metabolism; Placenta; Aromatization; Hypertension; Radiometric analysis (Hähnel, M.E. (181) 103)

**Anemia**

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**Angiotensin**

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**Angiotensin I-converting enzyme (kininase II)**

Renin; Angiotensin; Bradykinin; Catecholamine (Yamamoto, T. (181) 197)

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**ANS**

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**Antibody**

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$\alpha$ -Fetoprotein; Sugar chain; Liver disease (Kinoshita, N. (179) 143)

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**Antigen**

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**Antimitochondrial antibodies**

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**Antioxidant enzyme**

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**Anti-pseudouridine monoclonal antibody**

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**Antithyroglobulin antibody**

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**Anti-thyroid hormone antibody**

$T_3$ ;  $T_4$ ; ANS (Matsuda, M. (185) 139)

**alpha-1-Antitrypsin**

Isoelectric focusing; Penicillamine; Sulphydryl group (Whitehouse, D.B. (179) 109)

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**Apo A-I-containing lipoprotein**

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**Apo A-I, rabbit and human**

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**Apolipoprotein**

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**Apolipoprotein A-I**

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**Apolipoprotein A-I measurement, storage effects on**

Apolipoprotein A-I, immunoreactivity of; Temperature and apolipoprotein A-I measurement; ELISA measurement of apolipoprotein A-I (Wang, X.L. (179) 285)

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**Apolipoprotein measurement**

Apolipoprotein; Coronary disease; Coronary risk; Lipoprotein; Low density lipoprotein; High density lipoprotein; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

**Apolipoprotein standardization**

Apolipoprotein; Coronary disease; Coronary risk; Lipoprotein; Low density lipoprotein; High density lipoprotein; Apolipoprotein measurement (Bachorik, P.S. (178) 1)

**Arachidonic acid**

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**Argininosuccinate synthase**

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**Aromatization**

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**Artifacts**

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**Arthritis**

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**Aryl acylamidase**

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**Arylesterase**

Myocardial infarction (Secchiero, S. (183) 71)

**Ascites**

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Carnitine; Tandem mass spectrometry (Kodo, N. (186) 383)

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Non-enzymatic glycosylation or glycation; Apolipoprotein B; Affinity chromatography; Immunoturbidimetry; Diabetes (Kortlandt, W. (186) 109)

**Atrial natriuretic peptide**

Radioimmunoassay; Exercise; Blood sampling condition (Tan, A.C.I.T.L. (179) 1)

**Autoantibody**

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**Autoimmune thyroiditis**

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**Bacterial protease**

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**Behcet's disease**

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**Biantennary glycan content**

$\alpha$ -1-Acid glycoprotein; Rat; Inflammation; Con A affinity; Crossed affino immunolectrophoresis (Pos, O. (184) 121)

**Bicarbonate**

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**Bile**

Fluorescence; Biliary protein (Harvey, P.R.C. (183) 147)

Glutathione S-transferase; Radioimmunoassay; Human; Bile salts (Howie, A.F. (184) 269)

**Bile acid**

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**Bile acid sequestrant therapy**

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**Bile acid, serum unconjugated, conjugated, and primary**

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Gas-liquid chromatography-mass spectrometry (Bolt, M.J.G. (181) 87)

**Bile cholesterol gallstone**

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**Biliary lipid**

Viscous fibre; Guar gum; Cholesterol synthesis; Fecal steroid; Cholesterol precursor (Miettinen, T.A. (183) 253)

**Biliary protein**

Fluorescence; Bile (Harvey, P.R.C. (183) 147)

Cholesterol nucleation (Harvey, P.R.C. (185) 185)

**Bilirubin**

Fructosamine; Hypoalbuminemia; Renal failure (Dominicak, M.H. (182) 123)

Monoclonal antibody; Immunoaffinity chromatography (Izumi, Y. (184) 99)

**Binding protein assay**

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**Bioassay**

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**Bioimmunoassay**

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**Bioluminescence**

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**Bioluminescent assay**

Adenosine deaminase activity; Bacterial luciferase; Immobilized enzyme; Photon counting; Continuous-flow system (Oda, K. (185) 17)

**Biotinidase**

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**Biotinylated oligonucleotides**

Enzymatic amplification; Polymerase chain reaction (PCR); Allele specific oligonucleotide analysis; alpha-1-Antitrypsin (Gregersen, N. (182) 151)

**Bleb**

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**Bleeding**

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HPLC; Amino acid; Inborn error (Ho, J.W. (185) 197)

**Blood analysis**

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**Blood sampling condition**

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**Blood serum**

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**B lymphocyte**

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**Bone**

Osteocalcin; Alkaline phosphatase; Tc-99 MDP; Age (Worsfold, M. (178) 225)

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**Bone Gla protein (osteocalcin)**

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**Bone-marrow**

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**Bone resorption**

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**Bradykinin**

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**Branched-chain L-amino acid**

Maple syrup urine disease — analysis of: Skin fibroblast culture; Branched-chain 2-oxo acid (Schadewaldt, P. (184) 47)

**Branched-chain 2-oxo acid**

Ketoisocaproate; 2-Hydroxyisocaproate dehydrogenase; Maple syrup urine disease; Enzymatic analysis; High performance liquid chromatography (Schadewaldt, P. (183) 171)

Maple syrup urine disease — analysis of: Skin fibroblast culture; Branched-chain L-amino acid (Schadewaldt, P. (184) 47)

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**Bromophenacyl bromide**

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**Bronchoalveolar fluid**

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**Bronchoalveolar lavage fluid**

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**Brush border enzyme**

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**2,3-Butanediol**

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**Butyrate**

Pharmacokinetics; Experimental animal; Man (Daniel, P. (181) 255)

**Butyrylcholinesterase**

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**CA125**

Placental alkaline phosphatase (PLAP); CA54/61; Ovarian tumor; Ovarian serous cystadenocarcinoma; Dysgerminoma (Nozawa, S. (186) 275)

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**Calcium absorption**

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**Calcium binding**

[<sup>14</sup>C]calcium oxalate (Geller, D.A. (182) 255)

**Calcium isotope techniques**

Calcium absorption (Miller, J.Z. (183) 107)

**[<sup>14</sup>C]calcium oxalate**

Calcium binding (Geller, D.A. (182) 255)

**Campesterol**

Squalene; Lathosterol; Desmosterol; Sitosterol; Plant sterol (Gylling, H. (178) 41)

**Cancer**

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$\alpha_1$ -Acid glycoprotein; Microheterogeneity; Renal failure (Fraeyman, N.H. (181) 47)

**Capillary fragility**

Ascorbic acid; Cholesterol; Hemodialysis; Peritoneal dialysis, continuous ambulatory; Oxalate (Tomson, C.R.V. (180) 255)

**Capillary gas chromatography**

2,3-Butanediol; Acetoin; Mass spectrometry; Gut bacteria; Premature baby (Mills, G.A. (179) 51)

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**Carbamylated haemoglobin**

Chronic renal failure; CAPD; Haemodialysis; Transplantation (Smith, W.G.J. (178) 297)

**Carbohydrate**

alpha 1-Acid glycoprotein; Microheterogeneity; Liver disease; Fucose (Biou, D. (186) 59)

**Carbon dioxide tension**

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**Carboxyldiimidazole**

Dynospheres<sup>®</sup>; Tosyl chloride; Solid-phase antibody; Immunopurification (McConway, M.G. (179) 265)

**Carboxyglutamic acid**

GLA; Osteocalcin; Bone resorption; HPLC (Fournier, B. (182) 173)

**Carboxylesterase**

Cholesterol acyltransferase; Human liver microsomes; Ischaemia; Acyl-CoA hydrolase (Smith, J.L. (184) 259)

**Carnitine**

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**Carnitine deficiencies**

Carnitine; Carnitine metabolism; Carnitine functions; Carnitine transport (Siliprandi, N. (183) 3)

**Carnitine deficiency**

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**Carnitine functions**

Carnitine; Carnitine metabolism; Carnitine transport; Carnitine deficiencies (Siliprandi, N. (183) 3)

**Carnitine metabolism**

Carnitine; Carnitine functions; Carnitine transport; Carnitine deficiencies (Siliprandi, N. (183) 3)

**Carnitine transport**

Carnitine; Carnitine metabolism; Carnitine functions; Carnitine deficiencies (Siliprandi, N. (183) 3)

**Cartilage**

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**Catabolism**

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**Catalase**

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**Catecholamine**

Renin; Angiotensin; Bradykinin; Angiotensin I-converting enzyme (kininase II) (Yamamoto, T. (181) 197)

**Cation**

Transport; Fatty acid; Lipid; Psoriasis; Membrane; Erythrocyte (Corrocher, R. (186) 335)

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**C4b-BP-protein S complexes**

Protein S; ELISA; Free protein S; Protein S deficiency; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

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Non-isotopic immunoassay; Homogenous enzyme immunoassay;  $\beta$ -Galactosidase (Khanna, P.L. (185) 231)

**Celiac disease**

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**c-erb B-2**

Breast cancer; Proto-oncogenes; *int-2*; *c-myc*; Lymph node; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

**Cerebral infarction**

Lp(a) lipoprotein; Lipoprotein electrophoresis; Myocardial infarction (Kawakami, K. (185) 147)

**Cerebrospinal fluid**

gamma-gamma Enolase; Bioluminescence; Neuron specific enolase (Wevers, R.A. (178) 141)

ELISA; Free immunoglobulin kappa light chains; Multiple sclerosis; Inflammatory nervous system disorders (Lolli, F. (182) 229)

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3,4-Dihydroxyphenylalanine; Plasma DOPA; 3-O-Methyldopa; HPLC-ECO (Boomsma, F. (178) 59)

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Octadeca-9,11-dienoic acid; Free radical (Fairbank, J. (186) 53)

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Cancer; Diene conjugation; Octadeca-9,11-dienoic acid (Parham, D.M. (182) 289)

**[<sup>14</sup>C]Glycocholate breath test**

Bile acid, serum unconjugated, conjugated, and primary; Small bowel bacterial overgrowth; Enzymatic fluorimetry; Gas-liquid chromatography-mass spectrometry (Bolt, M.J.G. (181) 87)

**Characterization**

Corticosteroid-binding globulin; Bronchoalveolar fluid (Loric, S. (186) 19)

**Charge**

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**Charge isoform**

Acid Phosphatase, prostatic-type; Isoenzyme; Glycoprotein (Morris, M.F. (182) 9)

**Chemiluminescence**

Parathyroid hormone; Immunoassay; Primary hyperparathyroidism (St. John, A. (178) 215)

2-Methyl-6[ *p*-methoxyphenyl]3,7-dihydroimidazo[1,2-*e*]pyrazin-3-one; Activated granulocyte; Activated monocyte; Superoxide anion (Nishida, A. (179) 177)

Urinary albumin; Acridinium ester; Particle, paramagnetic; Immunassay (Horton, J.K. (186) 45)

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**Childhood**

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**Children**

CSF-albumin; Reference values; Multiple sclerosis; Meningitis (Öhman, S. (181) 265)

**Choledochocaval fistula**

Cholestasis; Enzyme activities, Mechanisms of increase (Putzki, H. (181) 81)

**Cholestasis**

Choledochocaval fistula; Enzyme activities, Mechanisms of increase (Putzki, H. (181) 81)

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Erythrocyte; Plasma lipoprotein; Sickle cell anemia (Ngangang, J. (179) 295)

Lipoprotein; Cortisol; Androstenedione; Adrenal cortex; Triglyceride (Nanjee, M.N. (180) 113)

Ascorbic acid; Capillary fragility; Hemodialysis; Peritoneal dialysis, continuous ambulatory; Oxalate (Tomson, C.R.V. (180) 255)

High density lipoprotein; Cholesteryl ester transfer; Atherosclerosis; Peripheral vascular disease; Triglyceride (Rühling, K. (184) 289)

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**Cholesterol nucleation**

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**Cholesterol precursor**

Viscous fibre; Guar gum; Cholesterol synthesis; Fecal steroid; Biliary lipid (Miettinen, T.A. (183) 253)

**Cholesterol synthesis**

Viscous fibre; Guar gum; Fecal steroid; Cholesterol precursor; Biliary lipid (Miettinen, T.A. (183) 253)

**Cholesterol synthesis in man**

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**Cholesteryl ester transfer**

High density lipoprotein; Atherosclerosis; Peripheral vascular disease; Cholesterol; Triglyceride (Rühling, K. (184) 289)

**Choline**

Betaine; Nuclear magnetic resonance; Methyltransferase; Pediatrics (Davies, S.E.C. (178) 241)

**Chromate inhibition test**

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**Chromatofocusing**

Fibrinogen; Dysfibrinogenemia; Agarose gel isoelectrofocusing (Fernández, F.J. (179) 239)

**Chromium-51**

Erythrocyte life span; Isotope, nonradioactive (Dever, M. (181) 337)

**Chromogenic method**

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**Chronic obstructive pulmonary disease**

Asthma;  $\alpha_2$ -Macroglobulin; Elastase (Kilroe-Smith, T.A. (185) 81)

**Chronic renal failure**

Carbamylated haemoglobin; CAPD; Haemodialysis; Transplantation (Smith, W.G.J. (178) 297)

Plasma oxalate; Oxalate oxidase; Vitamin C; Ascorbate oxidase (Rolton, H.A. (182) 247)

Neuropeptide Y (NPY); Radioimmunoassay; Uremia; Phaeochromocytoma (Stridsberg, M. (185) 61)

Lipid peroxidation; Vitamin E (Yalçın, A.S. (185) 109)

**Circadian variations**

Electrolyte; Seasonal variations; Aging; Reference values (Touitou, Y. (180) 245)

**Circulating immune complexes**

Aggregation; IgG (Levinson, S.S. (182) 21)

**Cirrhosis**

Selenium; Liver; Fibrosis; Procollagen; Fibronectin (Casaril, M. (182) 221)

*N*-Acetylglucosaminyltransferase III; Hepatoma; Human (Ishibashi, K. (185) 323)

**Citrulline**

Argininosuccinate synthase; Citrullinemia (Ben-Yoseph, Y. (183) 125)

**Citrullinemia**

Argininosuccinate synthase; Citrulline (Ben-Yoseph, Y. (183) 125)

**CK-BB**

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**Class II**

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**Clomipramine**

High density lipoprotein; High density lipoprotein subfractions; Apo A-I (Skinner, E.R. (184) 147)

**c-myc**

Breast cancer; Proto-oncogenes; *int-2*; *c-erbB-2*; Lymph node; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

**Cobalamin**

Amniotic fluid; Intrinsic factor; Haptocorrin; Transcobalamin (Guéant, J.L. (181) 151)

**Celiac disease**

Antigliadin antibodies; ELISA; IgA isotyping; Screening (Elewaut, A. (183) 285)

**Cold acetone precipitation**

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**Collagen**

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**Collagenase**

Direct extraction; Cartilage; Osteoarthritis (Blanckaert, A. (185) 73)

**Collagenase inhibitor**

Latent collagenase; Trypsin activation; Rheumatoid arthritis; Synovial fluid (Tagawa, M. (186) 119)

**Colorimetry**

Serum copper; Highly sensitive reagent; Pediatric chemistry (Makino, T. (185) 7)

**Comparison of method**

Autoimmune thyroiditis; Antithyroglobulin antibody; Thyroid antimicrosomal antibody (Engler, H. (179) 251)

**Competition ELISA**

Bone Gla protein (osteocalcin); Sex and age differences (Egsmose, C. (184) 279)

**Complement**

Anaphylatoxin; Exercise (Dufaux, B. (179) 45)

**Con A affinity**

$\alpha$ -Acid glycoprotein; Rat; Inflammation; Crossed affino immunoelectrophoresis; Biantennary glycan content (Pos, O. (184) 121)

**Concanavalin A**

$\gamma$ -Glutamyltransferase (GGT; EC 2.3.2.2); Affinity electrophoresis; Tumor marker; Hepatocellular carcinoma (Yoshikawa, C. (185) 315)

**Continuous-flow system**

Bioluminescent assay; Adenosine deaminase activity; Bacterial luciferase; Immobilized enzyme; Photon counting (Oda, K. (185) 17)

**Coproporphyrin**

Hemoglobin; Second derivative; Differential spectrophotometry; Meconium aspiration (Ficheux, H. (182) 53)

**Corneal and conjunctival diseases**

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**Coronary disease**

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**Coronary risk**

Apolipoprotein; Coronary disease; Lipoprotein; Low density lipoprotein; High density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

**Corticosteroid**

Saliva; Adrenal function (Bolufer, P. (183) 217)

**Corticosteroid-binding globulin**

Bronchoalveolar fluid; Characterization (Loric, S. (186) 19)

**Cortisol**

Lipoprotein; Androstenedione; Adrenal cortex; Triglyceride; Cholesterol (Nanjee, M.N. (180) 113)

**Coulometric electrochemical detector**

Glutathione; HPLC (Harvey, P.R.C. (180) 203)

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Immunometric assay (Shapiro, D. (180) 285)

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**Creatine kinase**

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**Creatine kinase BB isoenzyme**

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**Creatinine analysis**

Enzymatic analysis; Creatinine deiminase; *N*-Methylhydantoin amidohydrolase; *N*-Carbamoylsarcosine amidohydrolase (Shimizu, S. (185) 241)

**Creatinine deiminase**

Creatinine analysis; Enzymatic analysis; *N*-Methylhydantoin amidohydrolase; *N*-Carbamoylsarcosine amidohydrolase (Shimizu, S. (185) 241)

**Croshy capsule**

Endoscopic biopsy; Disaccharidases; Hypolactasia (Smith, J.A. (183) 317)

**Crossed affino immunoelectrophoresis**

$\alpha$ -Acid glycoprotein; Rat; Inflammation; Con A affinity; Biantennary glycan content (Pos, O. (184) 121)

**CSF-albumin**

Reference values; Multiple sclerosis; Children; Meningitis (Öhman, S. (181) 265)

**CSF-IgM**

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alpha-Glucosidase; Fibroblast; Lysosomal (Vladiutiu, G.D. (178) 337)

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Lactoferrin; Serum; Plasma; Granulocyte (Barthe, C. (181) 183)

**<sup>35</sup>S-Cystine**

HPLC; Cystinosis; Prenatal diagnosis (Hall, N.A. (184) 1)

**Cystinosis**

HPLC; <sup>35</sup>S-Cystine; Prenatal diagnosis (Hall, N.A. (184) 1)

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Glucose-6-phosphate dehydrogenase deficiency; Chromate inhibition test; Spectrophotometric enzyme assay (Jonges, G.N. (181) 135)

**Cytochrome b<sub>5</sub>**

Erythrocyte diaphorase; NADH<sub>2</sub>; Ferricyanide; Methemoglobin; Reductase (Papandreou, P. (181) 189)

**Cytotoxicity**

Molecular mechanisms; Pathogenesis; Bacterial protease; Vascular permeability; Immunoglobulin degradation; Secondary infection (Maeda, H. (185) 355)

# D

## Decarboxylation of histidine

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## Decidua

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## Deoxycholic acid

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## 5'-Deoxy-5-fluorouridine

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## Deoxyribonimycin

Diabetes; alpha-Glucosidase; Processing; Glycogenesis; Lysosome (Wisselaar, H.A. (182) 41)

## Deoxyribonuclease I

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## Deoxyribonuclease I inhibitor

Deoxyribonuclease I; Radioimmunoassay; Enzymatic assay; Cancer (Miyauchi, K. (184) 115)

## Depressive disorder

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## Desmosterol

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## Dexamethasone suppression test

Plasma dexamethasone; Depressive disorder (Lejeune-Lenain, C. (179) 13)

## Diabetes

Deoxyribonimycin; alpha-Glucosidase; Processing; Glycogenesis; Lysosome (Wisselaar, H.A. (182) 41)

Hypertension; Sodium influx; Sodium-Potassium pump; Furosemide; Erythrocyte (Chimori, K. (183) 263)

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Non-enzymatic glycosylation or glycation; Apolipoprotein B; Affinity chromatography; Immunoturbidimetry; Atherosclerosis (Kortlandt, W. (186) 109)

## Diabetes mellitus

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Glucose; Acetate; Non-esterified fatty acids (Akanji, A.O. (185) 25)

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## Diabetic children

Glomerular filtration rate (Gibb, D.M. (182) 131)

## Diabetic nephropathy

Albuminuria; Proteinuria; Immunoassay (Neuman, R.G. (179) 229)

## Diabetic pregnancy

Serum fructosamine; N-acetyl- $\beta$ -Glucosaminidase; Albuminuria (Skrha, J. (182) 281)

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**Dialysate**

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**Differential spectrophotometry**

Coproporphyrin; Hemoglobin; Second derivative; Meconium aspiration (Ficheux, H. (182) 53)

**Digestive cancer**

Enzyme-linked immunosorbent assay (ELISA); Human copper, zinc-superoxide dismutase (Cu, Zn-SOD); Monoclonal antibody (Oka, S. (182) 209)

**Dihydropteridine reductase**

Tetrahydrobiopterin; *Streptozotocin*; Neurotransmitter (Hamon, C.G. (181) 249)

**2,8-Dihydroxyadenine lithiasis**

High-performance liquid chromatography; Electrochemical detection; Adenine phosphoribosyltransferase deficiency (Kojima, T. (181) 109)

**3,4-Dihydroxyphenylalanine**

Plasma DOPA; Cerebrospinal fluid DOPA; 3-O-Methyldopa; HPLC-ECO (Boomsma, F. (178) 59)

**4-Dimethylaminobenzaldehyde**

$\gamma$ -Glutamyltransferase activity;  $\gamma$ -Glutamyl-carboxyanilide; 4-Dimethylaminocinnamaldehyde (Szewczuk, A. (178) 35)

**4-Dimethylaminocinnamaldehyde**

$\gamma$ -Glutamyltransferase activity;  $\gamma$ -Glutamyl-carboxyanilide; 4-Dimethylaminobenzaldehyde (Szewczuk, A. (178) 35)

**Dipeptidyl aminopeptidase IV**

Purification; Human kidney (Wolf, G.B. (179) 61)

**Direct extraction**

Collagenase; Cartilage; Osteoarthritis (Blankaert, A. (185) 73)

**Disaccharidases**

Endoscopic biopsy; Crosby capsule; Hypolactasia (Smith, J.A. (183) 317)

**DNA**

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Alkaline phosphatase; FL-amnion cell; Kasahara isoenzyme; Hepatoma (Higashino, K. (186) 151)

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**cDNA library**

Alkaline phosphatase; DNA sequence analysis; Embryonal carcinoma cells (Hahnel, A.C. (186) 171)

**DNA sequence analysis**

Alkaline phosphatase; cDNA library; Embryonal carcinoma cells (Hahnel, A.C. (186) 171)

**Drug effects**

Aminopeptidase; Isozyme; Liver disease; Alcoholism; Enzyme release (Sanderink, G.-J. (179) 23)

**Drugs**

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**Duchenne muscular dystrophy**

Creatine-kinase (Passos-Bueno, M.R. (179) 163)

**Duodenogastric reflux**

Gastrotoxicity; Rat; Deoxycholic acid; Gastric; Stomach; Bile acid (Armstrong, D. (178) 313)

**Dynospheres®**

Carbonyldiimidazole; Tosyl chloride; Solid-phase antibody; Immunopurification (McConway, M.G. (179) 265)

**Dysfibrinogenemia**

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**Dysgerminoma**

Placental alkaline phosphatase (PLAP); CA54/61; CA125; Ovarian tumor; Ovarian serous cystadenocarcinoma (Nozawa, S. (186) 275)

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**Elastase**

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**Electrochemical detection**

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**Electrolyte**

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**Electron impact mass spectrometry**

Tyrosinemia; Succinylacetone;  $^{15}\text{N}$ -labelled internal standard; Isotope dilution (Schierbeek, H. (184) 243)

**Electrophoresis**

Alkaline phosphatase; Lectin affinity; Monoclonal antibody; Neuraminidase treatment; PI-anchor (Miura, M. (180) 177)

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**Electrothermal vaporization**

Inductively coupled mass spectrometry; Tellurium; Biological fluid (Newman, R.A. (179) 191)

**ELISA**

Apolipoprotein A-I; Immunoquantitation; HDL; Monoclonal antibody (Bojanovski, M. (178) 159)

Lectin; Blood serum; Haptoglobin (Thompson, S. (180) 277)

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Free immunoglobulin kappa light chains; Cerebrospinal fluid; Multiple sclerosis; Inflammatory nervous system disorders (Lolli, F. (182) 229)

Acute intermittent porphyria; Porphobilinogen deaminase (Lannfelt, L. (183) 227)

Antigliadin antibodies; Coeliac disease; IgA isotyping; Screening (Elewaut, A. (183) 285)

FSH; LH; Penicillinase; Urinary gonadotropins (Desai, M. (184) 315)

Glycated albumin; Monoclonal antibody; Diabetes; Glycemic control (Hud, E. (185) 157)

Protein S; C4b-BP-protein S complexes; Free protein S; Protein S deficiency; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

**ELISA immunoassay**

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**ELISA measurement of apolipoprotein A-I**

Apolipoprotein A-I; immunoreactivity of; Apolipoprotein A-I measurement, storage effects on; Temperature and apolipoprotein A-I measurement (Wang, X.L. (179) 285)

**Embryonal carcinoma cells**

Alkaline phosphatase; cDNA library; DNA sequence analysis (Hahnel, A.C. (186) 171)

**Endometrial protein**

Placental protein 14; Immunofluorometric assay; Follicular fluid (Riittinen, L. (183) 115)

Placental protein 14; Amniotic fluid; Protein purification; Amino acid sequence; Progestagen-dependent endometrial protein (Riittinen, L. (184) 19)

**Endometriosis**

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**Endoscopic biopsy**

Crosby capsule; Disaccharidases; Hypolactasia (Smith, J.A. (183) 317)

**gamma-gamma Enolase**

Bioluminescence; Neuron specific enolase; Cerebrospinal fluid (Wevers, R.A. (178) 141)

**Enzymatic amplification**

Biotinylated oligonucleotides; Polymerase chain reaction (PCR); Allele specific oligonucleotide analysis; alpha-1-Antitrypsin (Gregersen, N. (182) 151)

**Enzymatic analysis**

Branched-chain 2-oxo acid; Ketoisocaproate; 2-Hydroxyisocaproate dehydrogenase; Maple syrup urine disease; High performance liquid chromatography (Schadewaldt, P. (183) 171)

Serum; Total lipids (Atkins, J.R. (184) 219)

Creatinine analysis; Creatinine deiminase; *N*-Methylhydantoin amidohydrolase; *N*-Carbamoylsarcosine amidohydrolase (Shimizu, S. (185) 241)

**Enzymatic assay**

Serum sialic acid; *N*-Acylmannosamine dehydrogenase (Horiuchi, T. (182) 117)

Deoxyribonuclease I; Radioimmunoassay; Cancer; Deoxyribonuclease I inhibitor (Miyauchi, K. (184) 115)

**Enzymatic fluorimetry**

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**Enzyme**

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Isoenzyme; Mitochondria; Inborn errors of metabolism; Diagnosis (Schmidt, F.W. (185) 253)

**Enzyme activities, Mechanisms of increase**

Cholestasis; Choledochocaval fistula (Putzki, H. (181) 81)

**Enzyme immunoassay**

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Human pancreatic secretory trypsin inhibitor (PSTI); Monoclonal antibody; Antigenicity of PSTI complexed with trypsin (Kurobe, M. (178) 205)

Slow moving protease; Acid proteinase (Matsusako, K. (181) 19)

Primary biliary cirrhosis; Antimitochondrial antibodies; Radioimmunoassay (Plebani, M. (181) 201)

Human serum pancreatic lipase; Monoclonal antibody; Immunosorbent enzyme assay (Ohkura, Y. (182) 295)

Cholestasis; Liver cirrhosis;  $\beta$ -Hexosaminidase; Isoenzyme; Monoclonal antibodies; Pregnancy; Serum (Isaksson, A. (183) 155)

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Alkaline phosphatase; Radioimmunoassay; Monoclonal antibody (Hill, C.S. (186) 315)

**Enzyme immunoassay (EIA)**

Serum amyloid A protein (SAA); Normal value (Yamada, T. (179) 169)

**Enzyme immunoassay**

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**Enzyme-labelling**

Enzyme immunoassay;  $\beta$ -D-Galactosidase; Peroxidase; Antigen; Antibody (Ishikawa, E. (185) 223)

**Enzyme-linked immunosorbent assay**

Celiac disease; Gliadin; Gluten (Friis, S.U. (178) 261)

**Enzyme-linked immunosorbent assay, ELISA**

Apo A-I, rabbit and human; Monoclonal antibody (Leroy, A. (179) 85)

**Enzyme-linked immunosorbent assay (ELISA)**

Human copper, zinc-superoxide dismutase (Cu, Zn-SOD); Monoclonal antibody; Digestive cancer (Oka, S. (182) 209)

**Enzyme multiplied immunoassay test (EMIT)**

Caffeine; Liver drug-metabolizing enzyme function (Varagnolo, M. (183) 91)

**Enzyme release**

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**Equilibrium dialysis**

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**Erythrocyte**

Ageing; Amiloride; Phloretin; Sodium transport (Carr, S. (178) 51)

Hemolytic resistance; Membrane lipid; Hemodialysis (Peuchant, E. (178) 271)

Psoriasis; Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Platelet (Corrocher, R. (179) 121)

Furosemide; Ouabain; Plasma sodium transport (Tepper, T. (179) 133)

Plasma lipoprotein; Cholesterol; Sickle cell anemia (Ngogang, J. (179) 295)

Hemolysate; Transketolase; Artefacts; Methemoglobin; Monooxygenase (Grudzinski, A. (180) 265)

Cystic fibrosis; Phosphoinositide; Phospholipase C (Doughney, C. (181) 55)

Hereditary fructose intolerance; Fructaldolases A and B (Gitzelmann, R. (181) 163)

Fructose; Sorbitol dehydrogenase; Fluorimetry (Liu, S.-Q. (181) 219)

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Diabetes; Hypertension; Sodium influx; Sodium-Potassium pump; Furosemide (Chimori, K. (183) 263)

Cation; Transport; Fatty acid; Lipid; Psoriasis; Membrane (Corrocher, R. (186) 335)

**Erythrocyte diaphorase**

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**Erythrocyte glutathione reductase**

Inhibition; Ariboflavinois; Mitomycin-C; FAD (Okuda, J. (181) 37)

**Erythrocyte life span**

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**Erythrocyte membrane**

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**Erythrocyte protoporphyrin**

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**Essential hypertension**

Urinary kallikrein; Trypsin activation; Radioimmunoassay; Bioassay (Maier, M. (178) 127)

**Estrogen receptor**

Breast cancer; Proto-oncogenes; *int-2*; *c-erbB-2*; *c-myc*; Lymph node; Progesterone receptor (Machotka, S.V. (184) 207)

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Ethylene glycol; Analysis; Alcohol oxidoreductase; Glycolaldehyde (Hansson, P. (182) 95)

**Ethanol withdrawal**

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**Ethylene glycol**

Analysis; Alcohol oxidoreductase; Glycolaldehyde; Ethanol (Hansson, P. (182) 95)

**Exercise**

Atrial natriuretic peptide; Radioimmunoassay; Blood sampling condition (Tan, A.C.I.T.L. (179) 1)

Complement; Anaphylatoxin (Dufaux, B. (179) 45)

Xanthinuria; Xanthine oxidase; Hypoxanthine; Xanthine (Landaas, S. (181) 119)

**Experimental animal**

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**Factor XIII**

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**Factor XIII deficiency**

Factor XIII; Immunoelectrophoresis (Kroll, J. (179) 279)

**FAD**

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**Fatty acid**

Psoriasis; Oil; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

Cation; Transport; Lipid; Psoriasis; Membrane; Erythrocyte (Corrocher, R. (186) 335)

**Fatty acid, Non-esterified**

Glucose; Acetate; Diabetes mellitus; Ketone bodies (Akanji, A.O. (178) 85)

**Fecal steroid**

Viscous fibre; Guar gum; Cholesterol synthesis; Cholesterol precursor; Biliary lipid (Miettinen, T.A. (183) 253)

**Ferricyanide**

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**Ferritin**

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**Fetal enzyme assay**

Amniotic fluid; Intestinal alkaline phosphatase; Alkaline phosphatase heterogeneity (Verpoorten, G.F. (186) 225)

 **$\alpha$ -Fetoprotein**

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**Fibrinogen gelation**

Fibrinogen species origin; Fibrinogen degradation (Regañón, E. (184) 7)

**Fibrinogen species origin**

Fibrinogen degradation; Fibrinogen gelation (Regañón, E. (184) 7)

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Alkaline phosphatase; Gastric carcinogenesis; Ossification (rat) (Hirota, N. (186) 301)

**Fibroblast**

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Selenium; Liver; Cirrhosis; Fibrosis; Procollagen (Casaril, M. (182) 221)

Polyethylene glycol; Immune complexes; Arthritis; Synovial fluid (Griffiths, A.M. (184) 133)

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Selenium; Liver; Cirrhosis; Procollagen; Fibronectin (Casaril, M. (182) 221)

**Fish lipid concentrate**

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**FL-ammon cell**

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**Fluorescence**

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5-Methyltetrahydrofolic acid; 5-Formyltetrahydrofolic acid (Leeming, R.J. (180) 241)

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Placental protein 14; Endometrial protein; Immunofluorometric assay (Riittinen, L. (183) 115)

**Formyl-cellulose**

Affinity chromatography; Apolipoprotein; Lipoprotein; Apo A-I-containing lipoprotein (Ohta, T. (179) 183)

**5-Formyltetrahydrofolic acid**

Folic acid; 5-Methyltetrahydrofolic acid (Leeming, R.J. (180) 241)

**F protein**

Liver disease; Diagnostic test (Foster, G.R. (184) 85)

**Free fatty acid**

Free thyroxine; Thyroid function; Triiodothyronine (Tikanoja, S.H. (179) 33)

**Free fatty acids**

Gas-liquid chromatography; Lipid extraction; Thin layer chromatography; Plasma (Tichelaar, H.Y. (183) 207)

**Free glycerol interference**

Serum triglyceride, measurement of (Artiss, J.D. (182) 109)

**Free immunoglobulin kappa light chains**

ELISA; Cerebrospinal fluid; Multiple sclerosis; Inflammatory nervous system disorders (Lolli, F. (182) 229)

**Free protein S**

Protein S; C4b-binding protein; Protein C; Acquired protein S deficiency (Takahashi, H. (182) 195)

Protein S; ELISA; C4b-BP-protein S complexes; Protein S deficiency; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

**Free radical**

Octadeca-9,11-dienoic acid; Cervical intra-epithelial neoplasia (Fairbank, J. (186) 53)

**Free radicals**

Linoleic acid isomer; Cystic fibrosis (Salh, B. (181) 65)

**Free thyroxine**

Free fatty acid; Thyroid function; Triiodothyronine (Tikanoja, S.H. (179) 33)

Chemiluminescence; Equilibrium dialysis (Beaman, J. (186) 83)

**Fructaldolases A and B**

Hereditary fructose intolerance; Erythrocyte (Gitzelmann, R. (181) 163)

**Fructosamine**

Hypoalbuminemia; Bilirubin; Renal failure (Dominiczak, M.H. (182) 123)

**Fructose**

Sorbitol dehydrogenase; Fluorimetry; Erythrocyte (Liu, S.-Q. (181) 219)

**FSH**

LH; ELISA; Penicillinase; Urinary gonadotropins (Desai, M. (184) 315)

**Fucose**

alpha 1-Acid glycoprotein; Microheterogeneity; Liver disease; Carbohydrate (Biou, D. (186) 59)

**Furosemide**

Erythrocyte; Ouabain; Plasma sodium transport (Tepper, T. (179) 133)

Diabetes; Hypertension; Sodium influx; Sodium-Potassium pump; Erythrocyte (Chimori, K. (183) 263)

# G

## $\beta$ -Galactosidase

GM1 gangliosidosis; Oligosaccharide; Subtype (Takahashi, Y. (179) 153)

Non-isotopic immunoassay; CEDIA<sup>TM</sup>; Hogenous enzyme immunoassay (Khanna, P.L. (185) 231)

## $\beta$ -D-Galactosidase

Enzyme immunoassay; Enzyme-labelling; Peroxidase; Antigen; Antibody (Ishikawa, E. (185) 223)

## Galactosyl oligosaccharide $\beta$ -galactosidase

GM1 gangliosidosis; Subtype (Takahashi, Y. (179) 219)

## Galactosyltransferase

Isoform; Lectin affinity chromatography; Human malignant ascite (Boyle, F.A. (178) 289)

## Gas chromatography

Quantitation; Mass spectrometry; Vitamin D<sub>2</sub> metabolites; Plasma (Coldwell, R.D. (180) 157)

3-Methoxy-4-hydroxyphenylglycol; MHPG; Plasma (Piletz, J.E. (185) 165)

## Gas chromatography-Mass spectrometry

Plant lignan; Urine; Human; Metabolism (Bannwart, C. (180) 293)

## Gas chromatography-mass spectrometry

Oximation; Acetoacetic acid; Ketosis; Organic acid; Urine analysis (Mills, G.A. (184) 93)

## Gas-liquid chromatography

Free fatty acids; Lipid extraction; Thin layer chromatography; Plasma (Tichelaar, H.Y. (183) 207)

## Gas-liquid chromatography-mass spectrometry

Bile acid, serum unconjugated, conjugated, and primary; Small bowel bacterial overgrowth; [<sup>14</sup>C]Glycocholate breath test; Enzymatic fluorimetry (Bolt, M.J.G. (181) 87)

## Gastric

Gastrotoxicity; Duodenogastric reflux; Rat; Deoxycholic acid; Stomach; Bile acid (Armstrong, D. (178) 313)

## Gastric carcinogenesis

Alkaline phosphatase; Fibroblast; Ossification (rat) (Hirota, N. (186) 301)

## Gastric carcinoma

Novel alkaline phosphatase (Imanishi, H. (186) 309)

## Gastrointestinal tract decontamination

Polyamine; Urinary tract infection; Microbial polyamine synthesis (Satink, H.P.W.M. (179) 305)

## Gastrotoxicity

Duodenogastric reflux; Rat; Deoxycholic acid; Gastric; Stomach; Bile acid (Armstrong, D. (178) 313)

## Gaucher's disease

Glucocerebrosidase; Heterozygote detection;  $\beta$ -Glucuronidase (Butcher, B.A. (184) 235)

## Gel permeation chromatography

Infantile visceral Leishmaniasis; Apolipoprotein A-I; Apolipoprotein A-II; Apolipoprotein B; Plasma lipoprotein; Two-dimensional immunoelectrophoresis (Bekaert, E.D. (184) 181)

## GGT

Urinary lysosomal enzyme; Brush border enzyme; Renovascular surgery; NAG; AAP;  $\beta$ -Glucuronidase (Holmes, R.P. (186) 1)

## GLA

Carboxyglutamic acid; Osteocalcin; Bone resorption; HPLC (Fournier, B. (182) 173)

## Gliadin

Celiac disease; Gluten; Enzyme-linked immunosorbent assay (Friis, S.U. (178) 261)

**Glomerular filtration rate**

Diabetic children (Gibb, D.M. (182) 131)

**Glucagon**

Insulin; Liver cirrhosis; Impaired glucose tolerance (Antoniello, S. (183) 343)

**Glucocerebrosidase**Gaucher's disease; Heterozygote detection;  $\beta$ -Glucuronidase (Butcher, B.A. (184) 235)**Glucocorticoid and insulin receptors**

Monocytes; Type 1 diabetes mellitus (Damm, P. (184) 167)

**Glucose**

Acetate; Fatty acid; Non-esterified; Diabetes mellitus; Ketone bodies (Akanji, A.O. (178) 85)

Diabetes mellitus; Acetate; Non-esterified fatty acids (Akanji, A.O. (185) 25)

**Glucose-6-phosphate dehydrogenase deficiency**

Chromate inhibition test; Spectrophotometric enzyme assay; Cytochemical assay (Jonges, G.N. (181) 135)

**Glucose tolerance**

Adenine incorporation rate; Mononuclear cells; Phagocytic cells; Insulin-dependent diabetes; Risk persons (Schäfer, J.H. (183) 333)

**alpha-Glucosidase**

Cystic fibrosis; Fibroblast; Lysosomal (Vladutiu, G.D. (178) 337)

Deoxynojirimycin; Diabetes; Processing; Glycogenesis; Lysosome (Wisselaar, H.A. (182) 41)

 **$\beta$ -Glucosidase**

Gaucher's disease; Glucocerebrosidase; Heterozygote detection (Butcher, B.A. (184) 235)

 **$\beta$ -Glucuronidase**

Urinary lysosomal enzyme; Brush border enzyme; Renovascular surgery; NAG; AAP; GGT (Holmes, R.P. (186) 1)

**Glutamate dehydrogenase**

Alcohol; Serum; Ethanol withdrawal (Weill, J. (179) 323)

 **$\gamma$ -Glutamyl-carboxyanilide** $\gamma$ -Glutamyltransferase activity; 4-Dimethylaminobenzaldehyde; 4-Dimethylaminocinnamaldehyde (Szewczuk, A. (178) 35) **$\gamma$ -Glutamyltransferase activity** $\gamma$ -Glutamyl-carboxyanilide; 4-Dimethylaminobenzaldehyde; 4-Dimethylaminocinnamaldehyde (Szewczuk, A. (178) 35) **$\gamma$ -Glutamyltransferase (GGT; EC 2.3.2.2)**

Affinity electrophoresis; Tumor marker; Concanavalin A; Hepatocellular carcinoma (Yoshikawa, C. (185) 317)

 **$\gamma$ -Glutamyl transpeptidase**

Sugar-chain heterogeneity; Serial lectin affinity chromatography; Reproductive system; Kidney (Arai, K. (184) 75)

**Glutathione**

HPLC; Coulometric electrochemical detector (Harvey, P.R.C. (180) 203)

**Glutathione-peroxidase**

Psoriasis; Oil; Fatty acid; Malondialdehyde; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

**Glutathione peroxidase**

Glutathione transferase; Glutathione-related enzyme activity; Prostatic carcinoma (Aceto, A. (183) 83)

**Glutathione-related enzyme activity**

Glutathione peroxidase; Glutathione transferase; Prostatic carcinoma (Aceto, A. (183) 83)

**Glutathione S-transferase**

Radioimmunoassay; Human; Bile; Bile salts (Howie, A.F. (184) 269)

**Glutathione transferase**

Glutathione peroxidase; Glutathione-related enzyme activity; Prostatic carcinoma (Aceto, A. (183) 83)

**Gluten**

Celiac disease; Gliadin; Enzyme-linked immunosorbent assay (Friis, S.U. (178) 261)

**Glycated albumin**

Monoclonal antibody; ELISA; Diabetes; Glycemic control (Hud, E. (185) 157)

**Glycated hemoglobin**

Minor hemoglobin component; Hypoglycemia (Niketic, V. (180) 121)

**Glycemic control**

Glycated albumin; Monoclonal antibody; ELISA; Diabetes (Hud, E. (185) 157)

**Glycogenesis**

Deoxynojirimycin; Diabetes; alpha-Glucosidase; Processing; Lysosome (Wisselaar, H.A. (182) 41)

**Glycolaldehyde**

Ethylene glycol; Analysis; Alcohol oxidoreductase; Ethanol (Hansson, P. (182) 95)

**Glycoprotein**

Mucin; Tumor-associated antigen (Imokawa, M. (180) 45)

Acid Phosphatase, prostatic-type; Isoenzyme; Charge isoform (Morris, M.F. (182) 9)

**Glycosaminoglycan**

Calcium; Oxalate; Inhibitor; Pentosan polysulphate (Fellström, B. (180) 213)

**Glycosylation**

Glycosyltransferase; Monocyte; Leukemia; Monoblast (Francina, A. (183) 301)

Serum; Haptoglobin; Rheumatoid arthritis (Thompson, S. (184) 251)

**Heterogeneity**

Placental-like alkaline phosphatase; Seminoma; Hydrophobicity; Charge (Koshida, K. (186) 255)

**Glycosyltransferase**

Glycosylation; Monocyte; Leukemia; Monoblast (Francina, A. (183) 301)

**GM1 gangliosidosis**

Oligosaccharide;  $\beta$ -Galactosidase; Subtype (Takahashi, Y. (179) 153)

Galactosyl oligosaccharide  $\beta$ -galactosidase; Subtype (Takahashi, Y. (179) 219)

**Gonadotrophin**

Pituitary; Blood analysis; Immunoassay; Quality control; Monoclonal antibody; Test interference (Seth, J. (186) 67)

**G protein**

ras; Signal transduction (Yamamoto, K. (185) 345)

**Granulocyte**

Cystic fibrosis protein; Lactoferrin; Serum; Plasma (Barthe, C. (181) 183)

**Growth factor**

Human hepatoma cell line (Nakamura, H. (183) 273)

**Guar gum**

Viscous fibre; Cholesterol synthesis; Fecal steroid; Cholesterol precursor; Biliary lipid (Miettinen, T.A. (183) 253)

**Gut bacteria**

2,3-Butanediol; Acetoin; Capillary gas chromatography; Mass spectrometry; Premature baby (Mills, G.A. (179) 51)

**Gynecological cancer**

Placental-like alkaline phosphatase; Monoclonal antibody; Human ovary; Ascites; Ovarian tumor (Koyama, I. (186) 295)

# H

## **Haemodialysis**

Carbamylated haemoglobin; Chronic renal failure; CAPD; Transplantation (Smith, W.G.J. (178) 297)

## **Hair**

Aluminium; Serum; Bone; Histomorphometry (Chappuis, P. (179) 271)

Antimony; Leishmaniasis; Therapy; Neutron activation analysis (Jose, (179) 341)

## **Haptocorrin**

Amniotic fluid; Cobalamin; Intrinsic factor; Transcobalamin (Guéant, J.L. (181) 151)

## **Haptoglobin**

Lectin; Blood serum; ELISA (Thompson, S. (180) 277)

Serum; Glycosylation; Rheumatoid arthritis (Thompson, S. (184) 251)

## **Hashimoto's thyroiditis**

3,3',5-Triiodothyronine; Autoantibody (Muratsugu, M. (178) 171)

## **HDL**

Apolipoprotein A-I; ELISA; Immunoquantitation; Monoclonal antibody (Bojanovski, M. (178) 159)

## **Heat stable alkaline phosphatase**

Inherited hyperphosphatasemia (Onica, D. (180) 23)

## **Hematocrit**

Erythrocyte protoporphyrin; Hemoglobin; Heme; Anemia (Harada, K. (180) 87)

## **Heme**

Erythrocyte protoporphyrin; Hemoglobin; Hematocrit; Anemia (Harada, K. (180) 87)

## **Hemodialysis**

Erythrocyte; Hemolytic resistance; Membrane lipid (Peuchant, E. (178) 271)

Ascorbic acid; Capillary fragility; Cholesterol; Peritoneal dialysis, continuous ambulatory; Oxalate (Tomson, C.R.V. (180) 255)

Trihalomethane; Breath; Dialysate (Cailleux, A. (180) 303)

Trihalomethane (Cailleux, A. (181) 75)

## **Hemoglobin**

Erythrocyte protoporphyrin; Heme; Hematocrit; Anemia (Harada, K. (180) 87)

Coproporphyrin; Second derivative; Differential spectrophotometry; Meconium aspiration (Ficheux, H. (182) 53)

## **Hemolysate**

Erythrocyte; Transketolase; Artefacts; Methemoglobin; Monoxygenase (Grudzinski, A. (180) 265)

## **Hemolysis**

Catalase; Acute pancreatitis; Serum catalase disappearance (Góth, L. (186) 39)

## **Hemolytic anemia**

Red cell; Sickle cell disease; Myeloproliferative syndrome; Phosphatidylinositol kinase; Phosphatidylinositol cycle (Boivin, P. (182) 165)

## **Hemolytic resistance**

Erythrocyte; Membrane lipid; Hemodialysis (Peuchant, E. (178) 271)

## **Hepatic function**

Serum biotinidase activity; Serum albumin; Liver disease; Serum enzyme (Grier, R.E. (186) 397)

## **Hepatic lipase**

Lipase; Lipoprotein lipase; Reye's syndrome; Intravascular lipolysis (Kang, E.S. (184) 107)

## **Hepatocellular carcinoma**

Pseudouridine; Modified nucleoside; Tumor marker (Amuro, Y. (178) 151)

$\gamma$ -Glutamyltransferase (GGT; EC 2.3.2.2); Affinity electrophoresis; Tumor marker; Concanavalin A (Yoshikawa, C. (185) 315)

#### **Hepatoma**

*N*-Acetylglucosaminyltransferase III; Cirrhosis; Human (Ishibashi, K. (185) 323)

Alkaline phosphatase; FL-amnion cell; Kasahara isoenzyme; cDNA cloning (Higashino, K. (186) 151)

#### **Hereditary fructose intolerance**

Fructaldolases A and B; Erythrocyte (Gitzelmann, R. (181) 163)

#### **Heterogeneity**

Placental-like alkaline phosphatase; Seminoma; Hydrophobicity; Glycosylation; Charge (Koshida, K. (186) 255)

#### **Heterozygote detection**

Pyrimidine 5'-nucleotidase; Pyrimidine nucleotides; UDP-*N*-acetylhexosamines (De Korte, D. (184) 175)

Gaucher's disease; Glucocerebrosidase;  $\beta$ -Glucuronidase (Butcher, B.A. (184) 235)

#### **$\beta$ -Hexosaminidase**

Cholestasis; Liver cirrhosis; Enzyme immunoassay; Isoenzyme; Monoclonal antibodies; Pregnancy; Serum (Isaksson, A. (183) 155)

#### **High density lipoprotein**

Apolipoprotein; Coronary disease; Coronary risk; Lipoprotein; Low density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

High density lipoprotein subfractions; Apo A-I; Clomipramine (Skinner, E.R. (184) 147)

Cholesteryl ester transfer; Atherosclerosis; Peripheral vascular disease; Cholesterolemia; Triglyceride (Rühling, K. (184) 289)

#### **High density lipoprotein subfractions**

High density lipoprotein; Apo A-I; Clomipramine (Skinner, E.R. (184) 147)

#### **Highly sensitive reagent**

Serum copper; Colorimetry; Pediatric chemistry (Makino, T. (185) 7)

#### **High-performance liquid chromatography**

Pyrimidine nucleoside phosphorylase; Uridine; 5'-Deoxy-5-fluorouridine (Laurensse, E.J. (178) 71)

Electrochemical detection; Adenine phosphoribosyltransferase deficiency; 2,8-Dihydroxyadenine lithiasis (Kojima, T. (181) 109)

#### **High performance liquid chromatography**

Branched-chain 2-oxo acid; Ketoisocaproate; 2-Hydroxyisocaproate dehydrogenase; Maple syrup urine disease; Enzymatic analysis (Schedewaldt, P. (183) 171)

#### **High-performance liquid chromatography**

Hydroxyproline; Urine (Teerlink, T. (183) 309)

#### **High-performance liquid chromatography (HPLC)**

Methylmalonic aciduria; Methylmalonyl CoA mutase (Kikuchi, M. (184) 307)

Uremic sera; Middle molecule; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Hippuric acid; Phenylacetylglutamine (Kaplan, B. (185) 119)

#### **Hippurates**

Uremic toxins; Lactate dehydrogenase; Serum calcium; Uremic neuropathy; Hoffmann reflex (Schoots, A.C. (185) 91)

#### **Hippuric acid**

Uremic sera; Middle molecule; High-performance liquid chromatography; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Phenylacetylglutamine (Kaplan, B. (185) 119)

#### **Histamine**

Drugs; Radioenzyme assay (Harvima, R.J. (180) 231)

Decarboxylation of histidine; Histidinemia (Tanabe, M. (186) 11)

#### **Histidinemia**

Histamine; Decarboxylation of histidine (Tanabe, M. (186) 11)

#### **Histomorphometry**

Aluminium; Hair; Serum; Bone (Chappuis, P. (179) 271)

**HMG-CoA reductase activity**

Cholesterol synthesis in man (Carulli, N. (183) 77)

**Hoffmann reflex**

Uremic toxins; Hippurates; Lactate dehydrogenase; Serum calcium; Uremic neuropathy (Schoots, A.C. (185) 91)

**Homogeneous EIA (H-EIA)**

Protein C; Horseradish peroxidase (HRP) (Suzuki, K. (184) 227)

**Homogenous enzyme immunoassay**

Non-isotopic immunoassay; CEDIA<sup>TM</sup>;  $\beta$ -Galactosidase (Khanna, P.L. (185) 231)

**Horseradish peroxidase (HRP)**

Protein C; Homogeneous EIA (H-EIA) (Suzuki, K. (184) 227)

**HPLC**

Glutathione; Coulometric electrochemical detector (Harvey, P.R.C. (180) 203)

Carboxyglutamic acid; GLA; Osteocalcin; Bone resorption (Fournier, B. (182) 173)

Sickle cell; Neonatal screening (Shapira, E. (182) 301)

<sup>35</sup>S-Cystine; Cystinosis; Prenatal diagnosis (Hall, N.A. (184) 1)

4-Hydroxyproline; Urine; Spectrophotometry (Ho, K.-C. (185) 191)

Amino acid; Inborn error; Blood (Ho, J.W. (185) 197)

**HPLC assay**

Biotinidase; Thermal inactivation (Hayakawa, K. (178) 95)

**HPLC-ECO**

3,4-Dihydroxyphenylalanine; Plasma DOPA; Cerebrospinal fluid DOPA; 3-O-Methyldopa (Boomsma, F. (178) 59)

**H subunit**

Lactate dehydrogenase; Lactate dehydrogenase subunit deficiency; M subunit; Laboratory diagnosis; Immunoblotting (Maekawa, M. (185) 297)

**Human**

Plant lignan; Urine; Metabolism; Gas chromatography-Mass spectrometry (Bannwart, C. (180) 293)

Glutathione S-transferase; Radioimmunoassay; Bile; Bile salts (Howie, A.F. (184) 269)

N-Acetylglucosaminyltransferase III; Cirrhosis; Hepatoma (Ishibashi, K. (185) 323)

**Human cerebrospinal fluid**

Acetylcholinesterase; Butyrylcholinesterase; Aryl acylamidase; Human serum (Rao, R.V. (183) 135)

Human copper, zinc-superoxide dismutase (Cu, Zn-SOD)

Enzyme-linked immunosorbent assay (ELISA); Monoclonal antibody; Digestive cancer (Oka, S. (182) 209)

**Human erythrocyte binding**

Unconjugated bilirubin; Kernicterus (Hayer, M. (186) 345)

**Human erythrocytes**

Lactate dehydrogenase (Hirano, T. (180) 59)

Hyperthyroidism; Acylphosphatase level (Nassi, P. (183) 351)

**Human gastric juice**

Second antibody solid-phase enzyme immunoassay; Prostaglandin E<sub>2</sub> (Orsini, B. (178) 305)

**Human heart**

Myocardial ischemia; Xanthine oxidase; Purine catabolites; Adenosine (Smolehski, R.T. (182) 63)

**Human hepatoma cell line**

Growth factor (Nakamura, H. (183) 273)

**Human kidney**

Dipeptidyl aminopeptidase IV; Purification (Wolf, G.B. (179) 61)

Tubular damage; Membrane enzymes; Shedding; Tissue-proteinuria (Scherberich, J.E. (185) 271)

**Human liver microsomes**

Cholesterol acyltransferase; Ischaemia; Acyl-CoA hydrolase; Carboxylesterase (Smith, J.L. (184) 259)

**Human lung**

Alkaline phosphatase (Hirano, K. (186) 265)

**Human malignant ascite**

Galactosyltransferase; Isoform; Lectin affinity chromatography (Boyle, F.A. (178) 289)

**Human ovary**

Placental-like alkaline phosphatase; Monoclonal antibody; Ascites; Ovarian tumor; Gynecological cancer (Koyama, I. (186) 295)

**Human pancreatic secretory trypsin inhibitor (PSTI)**

Enzyme immunoassay; Monoclonal antibody; Antigenicity of PSTI complexed with trypsin (Kurobe, M. (178) 205)

**Human placenta**

Creatine kinase BB isoenzyme; Radioimmunoassay; Polyacrylamide gel electrophoresis (Geng, J.-G. (181) 1)

**Human plasma**

$\beta$ -D-N-Acetylglucosaminidase isozyme; Automated procedure; Pregnancy (Goi, G. (179) 327)

**Human serum**

Acetylcholinesterase; Butyrylcholinesterase; Aryl acylamidase; Human cerebrospinal fluid (Rao, R.V. (183) 135)

Albumin interference; Two-dimensional electrophoresis; Immunoaffinity chromatography (Burgess-Cassler, A. (183) 359)

**Human serum pancreatic lipase**

Monoclonal antibody; Enzyme immunosassay; Immunosorbent enzyme assay (Ohkaro, Y. (182) 295)

**Human type IV collagen**

Sandwich immunoassay; Monoclonal antibody (Obata, K.-i. (181) 293)

**Human ventricular myosin light chain 1**

Myocardial infarction (Wang, J. (181) 325)

**Hunter syndrome**

Lymphoblastoid cell (Morabito, E. (181) 125)

**Hyaluronic acid**

Rheumatoid arthritis; Binding protein assay; Hyaluronic acid binding protein (Chichibu, K. (181) 317)

**Hyaluronic acid binding protein**

Hyaluronic acid; Rheumatoid arthritis; Binding protein assay (Chichibu, K. (181) 317)

**Hydrogen peroxide**

Porphyrin; Photosensitizer; Light; Singlet oxygen (Menon, I.A. (186) 375)

**Hydrophobicity**

Heterogeneity; Placental-like alkaline phosphatase; Seminoma; Glycosylation; Charge (Koshida, K. (186) 255)

**Hydroxycholesterol**

Lipid; Lipoprotein; Serum; Hypercholesterolemia; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

**2-Hydroxyisocaproate dehydrogenase**

Branched-chain 2-oxo acid; Ketoisocaproate; Maple syrup urine disease; Enzymatic analysis; High performance liquid chromatography (Schaivedaldt, P. (183) 171)

**3-Hydroxy-3-methylglutaryl-CoA lyase**

3-Methylglutaconyl-CoA hydratase; 3-Methylcrotonyl-CoA carboxylase; Coupled enzyme assay (Narisawa, K. (184) 57)

**Hydroxyproline**

Urine; High-performance liquid chromatography (Teerlink, T. (183) 309)

**4-Hydroxyproline**

Urine; HPLC; Spectrophotometry (Ho, K.-C. (185) 191)

**5-Hydroxypyrazinamide**

Pyrazinamide; Allopurinol; Oxypurinol; Xanthine oxidase; Xanthinuria (Yamamoto, T. (180) 169)

**Hyperammonemia**

Ornithine carbamoyltransferase;  $K_m$  variant (Rabier, D. (186) 25)

**Hypercholesterolemia**

Hydroxycholesterol; Lipid; Lipoprotein; Serum; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

**Hyperlipidemia**

Hypocholesterolemic; Animal models; 7-Acyl-1,4-benzoxazinone (Moussavi, Z. (180) 35)

**Hyperoxaluria**

Oxalate; Amniotic fluid; Ion-chromatography (Wandzilak, T.R. (185) 131)

**Hypertension**

Metabolism; Androstenedione; Placenta; Aromatization; Radiometric analysis (Hähnel, M.E. (181) 103)

Diabetes; Sodium influx; Sodium-Potassium pump; Furosemide; Erythrocyte (Chimori, K. (183) 263)

**Hyperthyroidism**

Human erythrocytes; Acylphosphatase level (Nassi, P. (183) 351)

**Hypoalbuminemia**

Fructosamine; Bilirubin; Renal failure (Dominiczak, M.H. (182) 123)

**Hypocholesterolemic**

Hyperlipidemia; Animal models; 7-Acyl-1,4-benzoxazinone (Moussavi, Z. (180) 35)

**Hypoglycemia**

Glycated hemoglobin; Minor hemoglobin component (Niketic, V. (180) 121)

**Hypolactasia**

Endoscopic biopsy; Crosby capsule; Disaccharidases (Smith, J.A. (183) 317)

**Hypoxanthine**

Xanthinuria; Xanthine oxidase; Xanthine; Exercise (Landaas, S. (181) 119)

## I

**IgA isotyping**

Antigliadin antibodies; Coeliac disease; ELISA; Screening (Elewaut, A. (183) 285)

**IgG**

Circulating immune complexes; Aggregation (Levinson, S.S. (182) 21)

**IgG-index**

CSF-IgM; IgM-index; Neurovenereological disease (Van Kamp, G.J. (183) 295)

**IgM-index**

CSF-IgM; IgG-index; Neurovenereological disease (Van Kamp, G.J. (183) 295)

**Immobilized enzyme**

Bioluminescent assay; Adenosine deaminase activity; Bacterial luciferase; Photon counting; Continuous-flow system (Oda, K. (185) 17)

**Immune complexes**

Polyethylene glycol; Fibronectin; Arthritis; Synovial fluid (Griffiths, A.M. (184) 133)

**Immunoaffinity chromatography**

Human serum; Albumin interference; Two-dimensional electrophoresis (Burgess-Cassler, A. (183) 359)

Bilirubin; Monoclonal antibody (Izumi, Y. (184) 99)

**Immunoassay**

Parathyroid hormone; Chemiluminescence; Primary hyperparathyroidism (St. John, A. (178) 215)

Albuminuria; Proteinuria; Diabetic nephropathy (Neuman, R.G. (179) 229)

Aldolase; Isozyme; Tissue-distribution (Haimoto, H. (181) 27)

Trypsin; Trypsinogen; Pancreatitis; Protease inhibitor; Uremia (Kimland, M. (184) 31)

Urinary albumin; Chemiluminescence; Acridinium ester; Particle, paramagnetic (Horton, J.K. (186) 45)

Gonadotrophin; Pituitary; Blood analysis; Quality control; Monoclonal antibody; Test interference (Seth, J. (186) 67)

**Immunoblot**

Urinary antithrombin III related antigen; Bioimmunoassay; Liver cirrhosis (Ueshima, S. (180) 79)

**Immunoblotting**

alpha<sub>2</sub>-Macroglobulin; Immunoglobulin; Lysozyme (Mörsky, P. (178) 327)

Lactate dehydrogenase; Lactate dehydrogenase subunit deficiency; H subunit; M subunit; Laboratory diagnosis (Maekawa, M. (185) 297)

**Immunocytochemistry Immunoassay**

Site-directed mutagenesis; Sequence homology; Expression; Structure-function (Narisawa, S. (186) 189)

**Immunoelectrophoresis**

Factor XIII; Factor XIII deficiency (Krøll, J. (179) 279)

**Immunofluorometric assay**

Placental protein 14; Endometrial protein; Follicular fluid (Riittinen, L. (183) 115)

**Immunoglobulin**

alpha<sub>2</sub>-Macroglobulin; Immunoblotting; Lysozyme (Mörsky, P. (178) 327)

**Immunoglobulin degradation**

Molecular mechanisms; Pathogenesis; Bacterial protease; Vascular permeability; Cytotoxicity; Secondary infection (Maeda, H. (185) 355)

**Immunometric assay**

C-reactive protein (Shapiro, D. (180) 285)

**Immunopurification**

Dynospheres®; Carboxyldimidazole; Tosyl chloride; Solid-phase antibody (McConway, M.G. (179) 265)

**Immunoquantitation**

Apolipoprotein A-I; ELISA; HDL; Monoclonal antibody (Bojanovski, M. (178) 159)

**Immunosorbent enzyme assay**

Human serum pancreatic lipase; Monoclonal antibody; Enzyme immunoassay (Ohkaro, Y. (182) 295)

**Immunoturbidimetry**

Non-enzymatic glycosylation or glycation; Apolipoprotein B; Affinity chromatography; Diabetes; Atherosclerosis (Kortlandt, W. (186) 109)

**Impaired glucose tolerance**

Insulin; Glucagon; Liver cirrhosis (Antoniello, S. (183) 343)

**Inborn error**

HPLC; Amino acid; Blood (Ho, J.W. (185) 197)

**Inborn errors of metabolism**

Enzyme; Isoenzyme; Mitochondria; Diagnosis (Schmidt, F.W. (185) 253)

**Inductively coupled mass spectrometry**

Electrothermal vaporization; Tellurium; Biological fluid (Newman, R.A. (179) 191)

**Infantile visceral leishmaniasis**

Apolipoprotein A-I; Apolipoprotein A-II; Apolipoprotein B; Plasma lipoprotein; Gel permeation chromatography; Two-dimensional immunoelectrophoresis (Bekaert, E.D. (184) 181)

**Inflammation**

Phospholipase A; Pancreatitis; Septicemia; Myocardial infarction; Cancer (Hoffmann, G.E. (183) 59)

$\alpha$ -Acid glycoprotein; Rat; Con A affinity; Crossed affinity immunoelectrophoresis; Biantennary glycan content (Pos, O. (184) 121)

**Inflammatory nervous system disorders**

ELISA; Free immunoglobulin kappa light chains; Cerebrospinal fluid; Multiple sclerosis (Lolli, F. (182) 229)

**Inherited hyperphosphatasemia**

Heat stable alkaline phosphatase (Onica, D. (180) 23)

**Inhibition**

Erythrocyte glutathione reductase; Ariboflavinosis; Mitomycin-C; FAD (Okuda, J. (181) 37)

**Inhibition ELISA**

Modified nucleoside; Pseudouridine; Anti-pseudouridine monoclonal antibody; Urine, from cancer patients (Itoh, K. (181) 305)

**Inhibitor**

Calcium; Oxalate; Glycosaminoglycan; Pentosan polysulphate (Fellström, B. (180) 213)

**Inositolphospholipid**

Oncogene; Transformation (Takenawa, T. (185) 307)

**Insulin**

Glucagon; Liver cirrhosis; Impaired glucose tolerance (Antoniello, S. (183) 343)

**Insulin-dependent diabetes**

Adenine incorporation rate; Mononuclear cells; Phagocytic cells; Glucose tolerance; Risk persons (Schäfer, J.H. (183) 333)

**Insulin receptor**

Linoleic acid; Arachidonic acid (Pelikánová, T. (179) 197)

**int-2**

Breast cancer; Proto-oncogenes; *c-erbB-2*; *c-myc*; Lymph node; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

**Interleukin-1**

Anti-inflammatory; Fibroblasts; PGE<sub>2</sub>; Assay automation (Maloff, B.L. (180) 73)

**Intestinal**

Liver/bone/kidney; Placental; Placental-like; Polymorphism; DNA; Malignancy (Harris, H. (186) 133)

**Intestinal alkaline phosphatase**

Alkaline phosphatase (Alpers, D.H. (186) 211)

Amniotic fluid; Fetal enzyme assay; Alkaline phosphatase heterogeneity (Verpoeten, G.F. (186) 225)

**Intestinal lymph**  
Alkaline phosphatase; Lipid absorption (Miura, S. (186) 239)

**Intestinal permeability**  
Mannitol; Automated enzyme assay (Lunn, P.G. (183) 163)

**Intestine**  
Ischemia; Creatine kinase; Lactate dehydrogenase; Rats (Roth, M. (183) 65)

**Intraindividual variation**  
SADA; Sex; Age; Pregnancy (Åvall-Lundqvist, E. (185) 35)

**Intravascular lipolysis**  
Lipase; Lipoprotein lipase; Hepatic lipase; Reye's syndrome (Kang, E.S. (184) 107)

**Intrinsic factor**  
Amniotic fluid; Cobalamin; Haptocorrin; Transcobalamin (Guéant, J.L. (181) 151)

**Ion chromatography**  
Oxalate; Phosphate; Sulphate (Politi, L. (184) 155)

**Ion-chromatography**  
Oxalate; Amniotic fluid; Hyperoxaluria (Wandzilak, T.R. (185) 131)

**Ion-exchange chromatography with fluorimetric detection**  
Amino acids; Reference values; Cerebrospinal fluid; Childhood (Gerrits, G.P. (182) 271)

**Ion-pairing**  
Nicotinamide *N*-methyltransferase; Methyl conjugation; Pyridinium ion; Liver enzyme (Rini, J. (186) 359)

**Iron deficiency**  
Zinc protoporphyrin; Protoporphyrin IX; Lead poisoning (Orfanos, A.P. (181) 213)

**Ischaemia**  
Cholesterol acyltransferase; Human liver microsomes; Acyl-CoA hydrolase; Carboxylesterase (Smith, J.L. (184) 259)

**Ischemia**  
Intestine; Creatine kinase; Lactate dehydrogenase; Rats (Roth, M. (183) 65)

**AST-isozyme; Mitochondrial AST; Bleb (Kamiske, W. (185) 265)**

**Ischemic stroke**  
Acetylsalicylic acid; Thromboxane B<sub>2</sub> (Lee, T.-K. (184) 323)

**Isoelectric focusing**  
alpha-1-Antitrypsin; Penicillamine; Sulphydryl group (Whitehouse, D.B. (179) 109)

**Isoenzyme**  
Acid Phosphatase, prostatic-type; Charge isof orm; Glycoprotein (Morris, M.F. (182) 9)

**$\alpha$ -Amylase; Pancreas; Monoclonal antibody; Synergistic inhibition (Rauscher, E. (183) 41)**

**Monoclonal antibody; Enzyme (Rosalki, S.B. (183) 45)**

**Cholestasis; Liver cirrhosis; Enzyme immunoassay;  $\beta$ -Hexosaminidase; Monoclonal antibodies; Pregnancy; Serum (Isaksson, A. (183) 155)**

**Enzyme; Mitochondria; Inborn errors of metabolism; Diagnosis (Schmidt, F.W. (185) 253)**

**Isoferritin**  
ELISA immunoassay; Serum ferritin; Tumor marker (Cozzi, A. (184) 197)

**Isoform**  
Galactosyltransferase; Lectin affinity chromatography; Human malignant ascite (Boyle, F.A. (178) 289)

**Isotope dilution**  
Tyrosinemia; Succinylacetone; <sup>15</sup>N-labelled internal standard; Electron impact mass spectrometry (Schierbeek, H. (184) 243)

**Isotope, nonradioactive**  
Chromium-51; Erythrocyte life span (Dever, M. (181) 337)

**Isozyme**  
Aminopeptidase; Liver disease; Alcoholism; Drug effects; Enzyme release (Sanderink, G.-J. (179) 23)

**Aldolase; Immunoassay; Tissue-distribution (Haimoto, H. (181) 27)**

# K

## Kasahara isoenzyme

Alkaline phosphatase; FL-amnion cell; Hepatoma; cDNA cloning (Higashino, K. (186) 151)

## Kernicterus

Unconjugated bilirubin; Human erythrocyte binding (Hayes, M. (186) 345)

## Ketoisocaproate

Branched-chain 2-oxo acid; 2-Hydroxyisocaproate dehydrogenase; Maple syrup urine disease; Enzymatic analysis; High performance liquid chromatography (Schadewaldt, P. (183) 171)

## Ketone bodies

Glucose; Acetate; Fatty acid, Non-esterified; Diabetes mellitus (Akanji, A.O. (178) 85)

## Ketosis

Oximation; Acetoacetic acid; Organic acid; Gas chromatography-mass spectrometry; Urine analysis (Mills, G.A. (184) 93)

## Kidney

$\gamma$ -Glutamyl transpeptidase; Sugar-chain heterogeneity; Serial lectin affinity chromatography; Reproductive system (Arai, K. (184) 75)

## $K_m$ variant

Ornithine carbamoyltransferase; Hyperammonemia (Rabier, D. (186) 25)

# L

## **Laboratory diagnosis**

Lactate dehydrogenase; Lactate dehydrogenase subunit deficiency; H subunit; M subunit; Immunoblotting (Mackawa, M. (185) 297)

## **Lactate dehydrogenase**

Human erythrocytes (Hirano, T. (180) 59)

Intestine; Ischemia; Creatine kinase; Rats (Roth, M. (183) 65)

Uremic toxins; Hippurates; Serum calcium; Uremic neuropathy; Hoffmann reflex (Schoots, A.C. (185) 91)

Lactate dehydrogenase subunit deficiency; H subunit; M subunit; Laboratory diagnosis; Immunoblotting (Mackawa, M. (185) 297)

## **Lactate dehydrogenase subunit deficiency**

Lactate dehydrogenase; H subunit; M subunit; Laboratory diagnosis; Immunoblotting (Mackawa, M. (185) 297)

## **Lactoferrin**

Cystic fibrosis protein; Serum; Plasma; Granulocyte (Barthe, C. (181) 183)

## **Laser nephelometry**

Fibronectin; Plasma; Breast cancer (Ruelland, A. (178) 283)

## **Latent collagenase**

Trypsin activation; Collagenase inhibitor; Rheumatoid arthritis; Synovial fluid (Tagawa, M. (186) 119)

## **Lathosterol**

Squalene; Desmosterol; Campesterol; Sitosterol; Plant sterol (Gylling, H. (178) 41)

## **Lead poisoning**

Zinc protoporphyrin; Protoporphyrin IX; Iron deficiency (Orfanos, A.P. (181) 213)

## **Lectin**

Blood serum; Haptoglobin; ELISA (Thompson, S. (180) 277)

## **Lectin affinity**

Alkaline phosphatase; Electrophoresis; Monoclonal antibody; Neuraminidase treatment; PI-anchor (Miura, M. (180) 177)

## **Lectin affinity chromatography**

Galactosyltransferase; Isoform; Human malignant ascite (Boyle, F.A. (178) 289)

## **Lectin affinity chromatography (Human placenta)**

Alkaline phosphatase; Allelic form; Sugar chain (Sato, M. (178) 101)

## **Leishmaniasis**

Antimony; Hair; Therapy; Neutron activation analysis (Jose, (179) 341)

## **L-Leucine inhibition (Human term placenta and the lung with cancerous pleuritis)**

Alkaline phosphatase (AP); Placental-like AP; Sugar moiety; Metastatic potential (Komoda, T. (186) 203)

## **Leukemia**

Glycosylation; Glycosyltransferase; Monocyte; Monoblast (Francina, A. (183) 301)

## **Leukocytes prolidase**

Polidase deficiency (Kodama, H. (180) 65)

## **LH**

FSH; ELISA; Penicillinase; Urinary gonadotropins (Desai, M. (184) 315)

## **Light**

Porphyrin; Photosensitizer; Hydrogen peroxide; Singlet oxygen (Menon, I.A. (186) 375)

## **Linoleic acid**

Insulin receptor; Arachidonic acid (Pelikánová, T. (179) 197)

## **Linoleic acid isomer**

Free radicals; Cystic fibrosis (Salh, B. (181) 65)

**Lipase**

Pancreatitis; Amylase; Amylase isoenzyme; Macroamylase; Diagnostic criteria; Pancreatic pseudocyst (Lott, J.A. (183) 33)

Lipoprotein lipase; Hepatic lipase; Reye's syndrome; Intravascular lipolysis (Kang, E.S. (184) 107)

**Lipid**

Hydroxycholesterol; Lipoprotein; Serum; Hypercholesterolemia; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

Cation; Transport; Fatty acid; Psoriasis; Membrane; Erythrocyte (Corrocher, R. (186) 335)

**Lipid absorption**

Alkaline phosphatase; Intestinal lymph (Miura, S. (186) 239)

**Lipid extraction**

Free fatty acids; Gas-liquid chromatography; Thin layer chromatography; Plasma (Tichelaar, H.Y. (183) 207)

**Lipid peroxidation**

Chronic renal failure; Vitamin E (Yalcin, A.S. (185) 109)

**Lipid peroxidation comparison**

Red blood cell; Antioxidant enzyme; Pretreatment with Oradexone and Ambroxol (Novak, Z. (182) 241)

**Lipoprotein**

Apolipoprotein; Coronary disease; Coronary risk; Low density lipoprotein; High density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

Formyl-cellufine; Affinity chromatography; Apolipoprotein; Apo A-I-containing lipoprotein (Ohta, T. (179) 183)

Cortisol; Androstenedione; Adrenal cortex; Triglyceride; Cholesterol (Nanjee, M.N. (180) 113)

Hydroxycholesterol; Lipid; Serum; Hypercholesterolemia; Bile acid sequestrant therapy (Van Doormaal, J.J. (181) 273)

Fibronectin; Radioimmunoassay; Atherosclerosis (Cseh, K. (182) 75)

Serum amyloid A; Myocardial infarction; Acute phase response (Bausserman, L.L. (184) 297)

**Lipoprotein electrophoresis**

Lp(a) lipoprotein; Myocardial infarction; Cerebral infarction (Kawakami, K. (185) 147)

**Lipoprotein lipase**

Lipase; Hepatic lipase; Reye's syndrome; Intravascular lipolysis (Kang, E.S. (184) 107)

**Liver**

Selenium; Cirrhosis; Fibrosis; Procollagen; Fibronectin (Casaril, M. (182) 221)

**Liver/bone/kidney**

Placental; Intestinal; Placental-like; Polymorphism; DNA; Malignancy (Harris, H. (186) 133)

**Liver cirrhosis**

Urinary antithrombin III related antigen; Immunoblot; Bioimmunoassay (Ueshima, S. (180) 79)

Cholestasis; Enzyme immunoassay;  $\beta$ -Hexosaminidase; Isoenzyme; Monoclonal antibodies; Pregnancy; Serum (Isaksson, A. (183) 155)

Insulin; Glucagon; Impaired glucose tolerance (Antoniello, S. (183) 343)

**Liver disease**

Aminopeptidase; Isozyme; Alcoholism; Drug effects; Enzyme release (Sanderink, G.-J. (179) 23)

Antibody-lectin enzyme immunoassay;  $\alpha$ -Fetoprotein; Sugar chain (Kinoshita, N. (179) 143)

F protein; Diagnostic test (Foster, G.R. (184) 85)

alpha 1-Acid glycoprotein; Microheterogeneity; Carbohydrate; Fucose (Biou, D. (186) 59)

Serum biotinidase activity; Serum albumin; Hepatic function; Serum enzyme (Grier, R.E. (186) 397)

**Liver drug-metabolizing enzyme function**

Enzyme multiplied immunoassay test (EMIT); Caffeine (Varagnolo, M. (183) 91)

**Liver enzyme**

Nicotinamide *N*-methyltransferase; Methyl conjugation; Pyridinium ion; Ion-pairing (Rini, J. (186) 359)

**Liver fibrosis**

Procollagen III peptide; Fibronectin; Alcohol liver disease (Gabrielli, G.B. (179) 315)

**Low density lipoprotein**

Apolipoprotein; Coronary disease; Coronary risk; Lipoprotein; High density lipoprotein; Apolipoprotein measurement; Apolipoprotein standardization (Bachorik, P.S. (178) 1)

Cholesterol; Diabetes mellitus (insulin-dependent) (Winocour, P.H. (179) 79)

**Lp(a) lipoprotein**

Lipoprotein electrophoresis; Myocardial infarction; Cerebral infarction (Kawakami, K. (185) 147)

**Lymph node**

Breast cancer; Proto-oncogenes; *int-2*; *c-erbB-2*; *c-myc*; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

**Lymphoblastoid cell**

Hunter syndrome (Morabito, E. (181) 125)

**Lysosomal**

Cystic fibrosis; alpha-Glucosidase; Fibroblast (Vladutiu, G.D. (178) 337)

**Lysosome**

Phospholipids storage; Catabolism (Bargal, R. (181) 167)

Deoxynojirimycin; Diabetes; alpha-Glucosidase; Processing; Glycogenosis (Wisselaar, H.A. (182) 41)

**Lysosphingolipid**

Protein kinase C; Sphingosine (Hannun, Y.A. (185) 331)

**Lysozyme**

alpha<sub>2</sub>-Macroglobulin; Immunoblotting; Immunoglobulin (Mörsky, P. (178) 327)

# M

## **Macroamylase**

Pancreatitis; Amylase; Lipase; Amylase isoenzyme; Diagnostic criteria; Pancreatic pseudocyst (Lott, J.A. (183) 33)

## **$\alpha_2$ -Macroglobulin**

Asthma; Elastase; Chronic obstructive pulmonary disease (Kilroe-Smith, T.A. (185) 81)

## **alpha<sub>2</sub>-Macroglobulin**

Immunoblotting; Immunoglobulin; Lysozyme (Mörsky, P. (178) 327)

## **Malignancy**

Liver/bone/kidney; Placental; Intestinal; Placental-like; Polymorphism; DNA (Harris, H. (186) 133)

## **Malignant breast disease**

Ca antigen (Searle, F. (186) 351)

## **Malondialdehyde**

Psoriasis; Oil; Fatty acid; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

## **Man**

Pharmacokinetics; Butyrate; Experimental animal (Daniel, P. (181) 255)

## **Mannitol**

Intestinal permeability; Automated enzyme assay (Lunn, P.G. (183) 163)

## **Maple syrup urine disease**

Branched-chain 2-oxo acid; Ketoisocaproate; 2-Hydroxyisocaproate dehydrogenase; Enzymatic analysis; High performance liquid chromatography (Schadewaldt, P. (183) 171)

## **Maple syrup urine disease — analysis of: Skin fibroblast culture**

Branched-chain L-amino acid; Branched-chain 2-oxo acid (Schadewaldt, P. (184) 47)

## **Mass spectrometry**

2,3-Butanediol; Acetoin; Capillary gas chromatography; Gut bacteria; Premature baby (Mills, G.A. (179) 51)

Quantitation; Gas chromatography; Vitamin D<sub>2</sub> metabolites; Plasma (Coldwell, R.D. (180) 157)

## **MaxEPA**

Triglyceride; Fish lipid concentrate (Miller, J.P. (178) 251)

## **Meconium aspiration**

Coproporphyrin; Hemoglobin; Second derivative; Differential spectrophotometry (Ficheux, H. (182) 53)

## **Medullaspin**

Enzyme immunoassay; Multiple sclerosis; Behcet's disease (Aoki, Y. (178) 193)

## **Membrane**

Psoriasis; Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Erythrocyte; Platelet (Corrocher, R. (179) 121)

Cation; Transport; Fatty acid; Lipid; Psoriasis; Erythrocyte (Corrocher, R. (186) 335)

## **Membrane enzymes**

Human kidney; Tubular damage; Shedding; Tissue-proteinuria (Scherberich, J.E. (185) 271)

## **Membrane lipid**

Erythrocyte; Hemolytic resistance; Hemodialysis (Peuchant, E. (178) 271)

## **Meningitis**

CSF-albumin; Reference values; Multiple sclerosis; Children (Öhman, S. (181) 265)

## **Metabolism**

Plant lignan; Urine; Human; Gas chromatography-Mass spectrometry (Bannwart, C. (180) 293)

Androstenedione; Placenta; Aromatization; Hypertension; Radiometric analysis (Hähnel, M.E. (181) 103)

**Metastatic potential**

Alkaline phosphatase (AP); Placental-like AP; Sugar moiety; L-Leucine inhibition (Human term placenta and the lung with cancerous pleuritis) (Komoda, T. (186) 203)

**Methemoglobin**

Erythrocyte; Hemolysate; Transketolase; Artefacts; Monooxygenase (Grudzinski, A. (180) 265)

Erythrocyte diaphorase; NADH<sub>2</sub>; Ferricyanide; Cytochrome *b*<sub>5</sub>; Reductase (Papandreou, P. (181) 189)

**Method comparison**

P-amylase immunoassay; Acute pancreatitis; Diagnostic characteristic (Sacchetti, L. (183) 95)

**3-Methoxy-4-hydroxyphenylglycol**

MHPG; Plasma; Gas chromatography (Piletz, J.E. (185) 165)

**Methyl conjugation**

Nicotinamide *N*-methyltransferase; Pyridinium ion; Ion-pairing; Liver enzyme (Rini, J. (186) 359)

**3-Methylcrotonyl-CoA carboxylase**

3-Methylglutacetyl-CoA hydratase; 3-Hydroxy-3-methylglutaryl-CoA lyase; Coupled enzyme assay (Narisawa, K. (184) 57)

**3-O-Methyldopa**

3,4-Dihydroxyphenylalanine; Plasma DOPA; Cerebrospinal fluid DOPA; HPLC-ECO (Boomsma, F. (178) 59)

**3-Methylglutacetyl-CoA hydratase**

3-Methylcrotonyl-CoA carboxylase; 3-Hydroxy-3-methylglutaryl-CoA lyase; Coupled enzyme assay (Narisawa, K. (184) 57)

***N*-Methylhydantoin amidohydrolase**

Creatinine analysis; Enzymatic analysis; Creatinine deiminase; *N*-Carbamoylsarcosine amidohydrolase (Shimizu, S. (185) 241)

**Methylmalonic aciduria**

Methylmalonyl CoA mutase; High-performance liquid chromatography (HPLC) (Kikuchi, M. (184) 307)

**Methylmalonyl CoA mutase**

Methylmalonic aciduria; High-performance liquid chromatography (HPLC) (Kikuchi, M. (184) 307)

**2-Methyl-6[*p*-methoxyphenyl]3,7-dihydroimidazo[1,2-*a*]pyrazin-3-one**

Chemiluminescence; Activated granulocyte; Activated monocyte; Superoxide anion (Nishida, A. (179) 177)

**5-Methyltetrahydrofolic acid**

Folic acid; 5-Formyltetrahydrofolic acid (Leeming, R.J. (180) 241)

**Methyltransferase**

Betaine; Nuclear magnetic resonance; Choline; Pediatrics (Davies, S.E.C. (178) 241)

**MHC**

Blood; Bone-marrow; Class II; Transplantation (Thompson, S. (185) 45)

**MHPG**

3-Methoxy-4-hydroxyphenylglycol; Plasma; Gas chromatography (Piletz, J.E. (185) 165)

**Microalbuminuria**

One-step sandwich enzyme immunoassay; Monoclonal antibody; Diabetes mellitus (Niwa, T. (186) 391)

**Microbial polyamine synthesis**

Polyamine; Gastrointestinal tract decontamination; Urinary tract infection (Satink, H.P.W.M. (179) 305)

 **$\alpha_1$ -Microglobulin**

$\beta_2$ -Microglobulin; Retinol binding protein; Tubular protein (Donaldson, M.D.C. (179) 73)

 **$\beta_2$ -Microglobulin**

$\alpha_1$ -Microglobulin; Retinol binding protein; Tubular protein (Donaldson, M.D.C. (179) 73)

**Microheterogeneity**

$\alpha_1$ -Acid glycoprotein; CAPD; Renal failure (Fraeyman, N.H. (181) 47)

alpha 1-Acid glycoprotein; Liver disease; Carbohydrate; Fucose (Biou, D. (186) 59)

**Middle molecule**

Uremic sera; High-performance liquid chromatography; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Hippuric acid; Phenylacetylglutamine (Kaplan, B. (185) 119)

**Minor hemoglobin component**

Glycated hemoglobin; Hypoglycemia (Niketic, V. (180) 121)

**Mitochondria**

Enzyme; Isoenzyme; Inborn errors of metabolism; Diagnosis (Schmidt, F.W. (185) 253)

**Mitochondrial AST**

Ischemia; AST-isozyme; Bleb (Kamiike, W. (185) 265)

**Mitomycin-C**

Inhibition; Erythrocyte glutathione reductase; Ariboflavinosis; FAD (Okuda, J. (181) 37)

**Modified nucleoside**

Pseudouridine; Hepatocellular carcinoma; Tumor marker (Amuro, Y. (178) 151)

Pseudouridine; Anti-pseudouridine monoclonal antibody; Inhibition ELISA; Urine, from cancer patients (Itoh, K. (181) 305)

**Molecular mechanisms**

Pathogenesis; Bacterial protease; Vascular permeability; Immunoglobulin degradation; Cytotoxicity; Secondary infection (Maeda, H. (185) 355)

**Monoblast**

Glycosylation; Glycosyltransferase; Monocyte; Leukemia (Francina, A. (183) 301)

**Monoclonal antibodies**

Cholestasis; Liver cirrhosis; Enzyme immunoassay;  $\beta$ -Hexosaminidase; Isoenzyme; Pregnancy; Serum (Isaksson, A. (183) 155)

**Monoclonal antibody**

Apolipoprotein A-I; ELISA; Immunoquantitation; HDL (Bojanovski, M. (178) 159)

Human pancreatic secretory trypsin inhibitor (PSTI); Enzyme immunoassay; Antigenicity of PSTI complexed with trypsin (Kurobe, M. (178) 205)

Apo A-I, rabbit and human; Enzyme-linked immunosorbent assay, ELISA (Leroy, A. (179) 85)

Alkaline phosphatase; Electrophoresis; Lectin affinity; Neuraminidase treatment; PI-anchor (Miura, M. (180) 177)

Sandwich immunoassay; Human type IV collagen (Obata, K.-i. (181) 293)

Enzyme-linked immunosorbent assay (ELISA); Human copper, zinc-superoxide dismutase (Cu, Zn-SOD); Digestive cancer (Oka, S. (182) 209)

Human serum pancreatic lipase; Enzyme immunoassay; Immunosorbent enzyme assay (Ohkura, Y. (182) 295)

$\alpha$ -Amylase; Pancreas; Isoenzyme; Synergistic inhibition (Rauscher, E. (183) 41)

Enzyme; Isoenzyme (Rosalki, S.B. (183) 45)

Platelet-derived growth factor; Radioimmunoassay (RIA) (Shiraishi, T. (184) 65)

Bilirubin; Immunoaffinity chromatography (Izumi, Y. (184) 99)

Glycated albumin; ELISA; Diabetes; Glycemic control (Hud, E. (185) 157)

Gonadotrophin; Pituitary; Blood analysis; Immunoassay; Quality control; Test interference (Seth, J. (186) 67)

Placental-like alkaline phosphatase; Human ovary; Ascites; Ovarian tumor; Gynecological cancer (Koyama, I. (186) 295)

Alkaline phosphatase; Enzyme immunoassay; Radioimmunoassay (Hill, C.S. (186) 315)

Microalbuminuria; One-step sandwich enzyme immunoassay; Diabetes mellitus (Niwa, T. (186) 391)

**Monoclonal gammopathy**

B lymphocyte; M-protein (Osterland, C.K. (180) 1)

**Monocyte**

Glycosylation; Glycosyltransferase; Leukemia; Monoblast (Francina, A. (183) 301)

**Monocytes**

Glucocorticoid and insulin receptors; Type 1 diabetes mellitus (Damm, P. (184) 167)

**Monomer activity**

Cholesterol; Nucleation time; Bile cholesterol gallstone (Chijiwa, K. (178) 181)

**Mononuclear cells**

Adenine incorporation rate; Phagocytic cells; Glucose tolerance; Insulin-dependent diabetes; Risk persons (Schäfer, J.H. (183) 333)

**Monooxygenase**

Erythrocyte; Hemolysate; Transketolase; Artefacts; Methemoglobin (Grudzinski, A. (180) 265)

**Morphine**

Enzyme immunoassay; Drugs of abuse; Urine narcotic analysis (Laurie, D. (183) 183)

**M-protein**

Monoclonal gammopathy; B lymphocyte (Osterland, C.K. (180) 1)

**M subunit**

Lactate dehydrogenase; Lactate dehydrogenase subunit deficiency; H subunit; Laboratory diagnosis; Immunoblotting (Maekawa, M. (185) 297)

**Mucin**

Glycoprotein; Tumor-associated antigen (Imokawa, M. (180) 45)

**Multiple sclerosis**

Medullaspin; Enzyme immunoassay; Behcet's disease (Aoki, Y. (178) 193)

CSF-albumin; Reference values; Children; Meningitis (Öhman, S. (181) 265)

ELISA; Free immunoglobulin kappa light chains; Cerebrospinal fluid; Inflammatory nervous system disorders (Lolli, F. (182) 229)

**Multivariate analysis**

Secretin pancreozymin test; Percentile estimate; Receiver-operator curve; Predictive value (Hunt, L.P. (186) 91)

**Myeloproliferative syndrome**

Red cell; Hemolytic anemia; Sickle cell disease; Phosphatidylinositol kinase; Phosphatidylinositol cycle (Boivin, P. (182) 165)

**Myocardial infarction**

Human ventricular myosin light chain 1 (Wang, J. (181) 325)

Phospholipase A; Pancreatitis; Inflammation; Septicemia; Cancer (Hoffmann, G.E. (183) 59)

Arylesterase (Secchiero, S. (183) 71)

Serum amyloid A; Acute phase response; Lipoprotein (Bausserman, L.L. (184) 297)

Lp(a) lipoprotein; Lipoprotein electrophoresis; Cerebral infarction (Kawakami, K. (185) 147)

**Myocardial ischemia**

Human heart; Xanthine oxidase; Purine catabolites; Adenosine (Smolefski, R.T. (182) 63)

# N

## *N-acetyl- $\beta$ -Glucosaminidase*

Serum fructosamine; Albuminuria; Diabetic pregnancy (Škrha, J. (182) 281)

## *NADH<sub>2</sub>*

Erythrocyte diaphorase; Ferricyanide; Cytochrome *b*<sub>5</sub>; Methemoglobin; Reductase (Papandreou, P. (181) 189)

## *NAG*

Urinary lysosomal enzyme; Brush border enzyme; Renovascular surgery; AAP; GGT;  $\beta$ -Glucuronidase (Holmes, R.P. (186) 1)

## *Natural killer cell*

Neutrophil; Seminal fluid; Acid phosphatase (Mukhopadhyay, N.K. (182) 31)

## *NEFA*

Unbound fraction; Serum (Lim, C.-F. (186) 31)

## *Neonatal screening*

Sickle cell; HPLC (Shapira, E. (182) 301)

## *Neoplastic disease*

CK-BB; Tumor marker (Arenas, J. (182) 183)

## *Neural differentiation*

Neuron specific enolase; Neuroendocrine and paraneuronal cell; Tumor marker; Neuroblastoma; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

## *Neuraminidase treatment*

Alkaline phosphatase; Electrophoresis; Lectin affinity; Monoclonal antibody; PI-anchor (Mura, M. (180) 177)

## *Neuroblastoma*

Neuron specific enolase; Neuroendocrine and paraneuronal cell; Neural differentiation; Tumor marker; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

## *Neuroendocrine and paraneuronal cell*

Neuron specific enolase; Neural differentiation; Tumor marker; Neuroblastoma; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

## *Neuron specific enolase*

gamma-gamma Enolase; Bioluminescence; Cerebrospinal fluid (Wevers, R.A. (178) 141)

Neuroendocrine and paraneuronal cell; Neural differentiation; Tumor marker; Neuroblastoma; Small cell lung carcinoma; Seminoma (Kaiser, E. (183) 13)

## *Neuropeptide Y (NPY)*

Radioimmunoassay; Chronic renal failure; Uremia; Phaeochromocytoma (Stridsberg, M. (185) 61)

## *Neurotransmitter*

Tetrahydrobiopterin; *Streptozotocin*; Dihydropteridine reductase (Hamon, C.G. (181) 249)

## *Neurovenerological disease*

CSF-IgM; IgM-index; IgG-index (Van Kamp, G.J. (183) 295)

## *Neutron activation analysis*

Antimony; Leishmaniasis; Hair; Therapy (Jose, (179) 341)

## *Neutrophil*

Natural killer cell; Seminal fluid; Acid phosphatase (Mukhopadhyay, N.K. (182) 31)

## *Nicotinamide N-methyltransferase*

Methyl conjugation; Pyridinium ion; Ion-pairing; Liver enzyme (Rini, J. (186) 359)

## *<sup>15</sup>N-labelled internal standard*

Tyrosinemia; Succinylacetone; Isotope dilution; Electron impact mass spectrometry (Schierbeek, H. (184) 243)

## *NMR relaxation*

Amyotrophic lateral sclerosis; Erythrocyte membrane; Water exchange (Monti, J.P. (185) 53)

## *Non-enzymatic glycosylation or glycation*

Apolipoprotein B; Affinity chromatography; Immunoturbidimetry; Diabetes; Atherosclerosis (Kortlandt, W. (186) 109)

**Non-esterified fatty acids**

Diabetes mellitus; Glucose; Acetate (Akanji, A.O. (185) 25)

**Non-isotopic immunoassay**

CEDIA™; Homogenous enzyme immunoassay;  $\beta$ -Galactosidase (Khanna, P.L. (185) 231)

**Nonspecific reaction**

Serum; ELISA; hTNF- $\alpha$  (Abe, Y. (181) 223)

**Normal pregnancy**

$\alpha_2$  Pregnancy-associated protein; Serum concentration; Rocket assay (Nakai, M. (182) 103)

**Normal value**

Serum amyloid A protein (SAA); Enzyme immunoassay (EIA) (Yamada, T. (179) 169)

**Novel alkaline phosphatase**

Gastric carcinoma (Imanishi, H. (186) 309)

**Nuclear magnetic resonance**

Betaine; Choline; Methyltransferase; Pediatrics (Davies, S.E.C. (178) 241)

**Nucleation time**

Cholesterol; Monomer activity; Bile cholesterol gallstone (Chijiwa, K. (178) 181)

# O

## **Octadeca-9,11-dienoic acid**

Cervix; Cancer; Diene conjugation (Parham, D.M. (182) 289)

Free radical; Cervical intra-epithelial neoplasia (Fairbank, J. (186) 53)

## **Oil**

Psoriasis; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

## **Oligosaccharide**

GM1 gangliosidosis;  $\beta$ -Galactosidase; Subtype (Takahashi, Y. (179) 153)

## **Oncogene**

Transformation; Inositolphospholipid (Takenawa, T. (185) 307)

## **One-step sandwich enzyme immunonassay**

Microalbuminuria; Monoclonal antibody; Diabetes mellitus (Niwa, T. (186) 391)

## **Organic acid**

Oximation; Acetoacetic acid; Ketosis; Gas chromatography-mass spectrometry; Urine analysis (Mills, G.A. (184) 93)

## **Ornithine carbamoyltransferase**

Hyperammonemia;  $K_m$  variant (Rabier, D. (186) 25)

## **Ornithine transcarbamylase**

DNA diagnosis (Matsuda, I. (185) 283)

## **Ossification (rat)**

Alkaline phosphatase; Fibroblast; Gastric carcinogenesis (Hirola, N. (186) 301)

## **Osteoarthritis**

Collagenase; Direct extraction; Cartilage (Blankaert, A. (185) 73)

## **Osteocalcin**

Alkaline phosphatase; Tc-99 MDP; Age; Bone (Worsfold, M. (178) 225)

Carboxyglutamic acid; GLA; Bone resorption; HPLC (Fournier, B. (182) 173)

## **Ouabain**

Erythrocyte; Furosemide; Plasma sodium transport (Tepper, T. (179) 133)

## **Ovarian serous cystadenocarcinoma**

Placental alkaline phosphatase (PLAP); CA54/61; CA125; Ovarian tumor; Dysgerminoma (Nozawa, S. (186) 275)

## **Ovarian tumor**

Placental alkaline phosphatase (PLAP); CA54/61; CA125; Ovarian serous cystadenocarcinoma; Dysgerminoma (Nozawa, S. (186) 275)

Placental-like alkaline phosphatase; Monoclonal antibody; Human ovary; Ascites; Gynecological cancer (Koyama, I. (186) 295)

## **Oxalate**

Oxalogenesis; Bioluminescence; Ascorbate (Parkinson, I.S. (179) 97)

Calcium; Inhibitor; Glycosaminoglycan; Pentosan polysulphate (Fellström, B. (180) 213)

Ascorbic acid; Capillary fragility; Cholesterol; Hemodialysis; Peritoneal dialysis, continuous ambulatory (Tomson, C.R.V. (180) 255)

Phosphate; Sulphate; Ion chromatography (Politti, L. (184) 155)

Amniotic fluid; Ion-chromatography; Hyperoxaluria (Wandzilak, T.R. (185) 131)

## **Oxalate oxidase**

Plasma oxalate; Chronic renal failure; Vitamin C; Ascorbate oxidase (Rolton, H.A. (182) 247)

## **Oxalogenesis**

Oxalate; Bioluminescence; Ascorbate (Parkinson, I.S. (179) 97)

**Oximation**

Acetoacetic acid; Ketosis; Organic acid; Gas chromatography-mass spectrometry; Urine analysis (Mills, G.A. (184) 93)

**Oxypurinol**

Pyrazinamide; 5-Hydroxypyrazinamide; Allopurinol; Xanthine oxidase; Xanthinuria (Yamamoto, T. (180) 169)

# P

## P-*amylase immunoassay*

Acute pancreatitis; Method comparison; Diagnostic characteristic (Sacchetti, L. (183) 95)

## Pancreas

$\alpha$ -Amylase; Isoenzyme; Monoclonal antibody; Synergistic inhibition (Rauscher, E. (183) 41)

## Pancreatic

$\alpha$ -Amylase; Acarbose; Affinity chromatography; Synthesis; Pancreatitis (Ogden, J.M. (180) 129)

## Pancreatic pseudocyst

Pancreatitis; Amylase; Lipase; Amylase isoenzyme; Macroamylase; Diagnostic criteria (Lott, J.A. (183) 33)

## Pancreatitis

$\alpha$ -Amylase; Acarbose; Affinity chromatography; Synthesis; Pancreatic (Ogden, J.M. (180) 129)

Amylase; Lipase; Amylase isoenzyme; Macroamylase; Diagnostic criteria; Pancreatic pseudocyst (Lott, J.A. (183) 33)

Phospholipase A; Inflammation; Septicemia; Myocardial infarction; Cancer (Hoffmann, G.E. (183) 59)

Trypsin; Trypsinogen; Protease inhibitor; Uremia; Immunoassay (Kimland, M. (184) 31)

## Parathyroid hormone

Immunoassay; Chemiluminescence; Primary hyperparathyroidism (St. John, A. (178) 215)

## Particle, paramagnetic

Urinary albumin; Chemiluminescence; Acridinium ester; Immunoassay (Horton, J.K. (186) 45)

## Pathogenesis

Molecular mechanisms; Bacterial protease; Vascular permeability; Immunoglobulin degradation; Cytotoxicity; Secondary infection (Maeda, H. (185) 355)

## PCR method

Polymorphism; Transthyretin; Prealbumin; DNA diagnosis (Sakai, Y. (185) 289)

## Pediatric chemistry

Serum copper; Highly sensitive reagent; Colorimetry (Makino, T. (185) 7)

## Pediatrics

Betaine; Nuclear magnetic resonance; Choline; Methyltransferase (Davies, S.E.C. (178) 241)

## Penicillamine

alpha-1-Antitrypsin; Isoelectric focusing; Sulphydryl group (Whitehouse, D.B. (179) 109)

## Penicillinase

FSH; LH; ELISA; Urinary gonadotropins (Desai, M. (184) 315)

## Pentosan polysulphate

Calcium; Oxalate; Inhibitor; Glycosaminoglycan (Fellström, B. (180) 213)

## Percentile estimate

Secretin pancreozymin test; Multivariate analysis; Receiver-operator curve; Predictive value (Hunt, L.P. (186) 91)

## Peripheral vascular disease

High density lipoprotein; Cholesteryl ester transfer; Atherosclerosis; Cholesterol; Triglyceride (Rühling, K. (184) 289)

## Peritoneal dialysis, continuous ambulatory

Ascorbic acid; Capillary fragility; Cholesterol; Hemodialysis; Oxalate (Tomson, C.R.V. (180) 255)

## Peritoneal fluid

Alkaline phosphatase; Endometriosis (Kang, J.O. (186) 285)

## Peroxidase

Enzyme immunoassay; Enzyme-labelling;  $\beta$ -D-Galactosidase; Antigen; Antibody (Ishikawa, E. (185) 223)

**PGE<sub>2</sub>**

Interleukin-1; Anti-inflammatory; Fibroblasts; Assay automation (Maloff, B.L. (180) 73)

**Phaeochromocytoma**

Neuropeptide Y (NPY); Radioimmunoassay; Chronic renal failure; Uremia (Stridsberg, M. (185) 61)

**Phagocytic cells**

Adenine incorporation rate; Mononuclear cells; Glucose tolerance; Insulin-dependent diabetes; Risk persons (Schäfer, J.H. (183) 333)

**Pharmacokinetics**

Butyrate; Experimental animal; Man (Daniel, P. (181) 255)

**Phenylacetylglutamine**

Uremic sera; Middle molecule; High-performance liquid chromatography; Sodium dodecyl sulfate-polyacrylamide gel electrophoresis; Hippuric acid (Kaplan, B. (185) 119)

**Phloretin**

Ageing; Amiloride; Erythrocyte; Sodium transport (Carr, S. (178) 51)

**Phosphate**

Oxalate; Sulphate; Ion chromatography (Politi, L. (184) 155)

**Phosphatidylglycerol**

Pulmonary alveolar proteinosis; Bronchoalveolar lavage fluid; Pulmonary surfactant; Phosphatidylinositol (Honda, Y. (181) 11)

**Phosphatidylinositol**

Pulmonary alveolar proteinosis; Bronchoalveolar lavage fluid; Pulmonary surfactant; Phosphatidylglycerol (Honda, Y. (181) 11)

Phospholipase; Alkaline phosphatase (Hamilton, B.A. (186) 249)

**Phosphatidylinositol cycle**

Red cell; Hemolytic anemia; Sickle cell disease; Myeloproliferative syndrome; Phosphatidylinositol kinase (Boivin, P. (182) 165)

**Phosphatidylinositol kinase**

Red cell; Hemolytic anemia; Sickle cell disease; Myeloproliferative syndrome; Phosphatidylinositol cycle (Boivin, P. (182) 165)

**Phosphatidylinositol phospholipase C**

Alkaline phosphatase; Sodium dodecyl sulfate; Tetramer (Hawrylak, K. (186) 197)

**Phosphoinositide**

Cystic fibrosis; Erythrocyte; Phospholipase C (Doughney, C. (181) 55)

**Phospholipase**

Phosphatidylinositol; Alkaline phosphatase (Hamilton, B.A. (186) 249)

**Phospholipase A**

Pancreatitis; Inflammation; Septicemia; Myocardial infarction; Cancer (Hoffmann, G.E. (183) 59)

**Phospholipase C**

Cystic fibrosis; Erythrocyte; Phosphoinositide (Doughney, C. (181) 55)

**Phospholipid**

Amniotic fluid; Cold acetone precipitation; Surfactant (Budria, R.J. (180) 141)

**Phospholipids storage**

Lysosome; Catabolism (Bargal, R. (181) 167)

**Photon counting**

Bioluminescent assay; Adenosine deaminase activity; Bacterial luciferase; Immobilized enzyme; Continuous-flow system (Oda, K. (185) 17)

**Photosensitizer**

Porphyrin; Light; Hydrogen peroxide; Singlet oxygen (Menon, I.A. (186) 375)

**Physiological salt solutions**

Carbon dioxide tension; Bicarbonate (Abrahamson, J. (185) 1)

**PI-anchor**

Alkaline phosphatase; Electrophoresis; Lectin affinity; Monoclonal antibody; Neuraminidase treatment (Miura, M. (180) 177)

**Pituitary**

Gonadotrophin; Blood analysis; Immunoassay; Quality control; Monoclonal antibody; Test interference (Seth, J. (186) 67)

**Placenta**

Amniotic fluid; Angiotensinogen; Decidua; Renin substrate (Metsärinne, K. (180) 221)

Metabolism; Androstenedione; Aromatization; Hypertension; Radiometric analysis (Hithnel, M.E. (181) 103)

**Placental**

Liver/bone/kidney; Intestinal; Placental-like; Polymorphism; DNA; Malignancy (Harris, H. (186) 133)

**Placental alkaline phosphatase (PLAP)**

CA54/61; CA125; Ovarian tumor; Ovarian serous cystadenocarcinoma; Dysgerminoma (Nozawa, S. (186) 275)

**Placental-like**

Liver/bone/kidney; Placental; Intestinal; Polymorphism; DNA; Malignancy (Harris, H. (186) 133)

**Placental-like alkaline phosphatase**

Heterogeneity; Seminoma; Hydrophobicity; Glycosylation; Charge (Koshida, K. (186) 255)

Monoclonal antibody; Human ovary; Ascites; Ovarian tumor; Gynecological cancer (Koyama, I. (186) 295)

**Placental-like AP**

Alkaline phosphatase (AP); Sugar moiety; Metastatic potential; L-Leucine inhibition (Human term placenta and the lung with cancerous pleuritis) (Komoda, T. (186) 203)

**Placental protein 14**

Endometrial protein; Immunofluorometric assay; Follicular fluid (Riittinen, L. (183) 115)

Amniotic fluid; Endometrial protein; Protein purification; Amino acid sequence; Progestagen-dependent endometrial protein (Riittinen, L. (184) 19)

**Plant lignan**

Urine; Human; Metabolism; Gas chromatography-Mass spectrometry (Bannwart, C. (180) 293)

**Plant sterol**

Squalene; Lathosterol; Desmosterol; Campesterol; Sitosterol (Gylling, H. (178) 41)

**Plasma**

Fibronectin; Breast cancer; Laser nephelometry (Ruelland, A. (178) 283)

Quantitation; Gas chromatography; Mass spectrometry; Vitamin D<sub>2</sub> metabolites (Coldwell, R.D. (180) 157)

Cystic fibrosis protein; Lactoferrin; Serum; Granulocyte (Barthe, C. (181) 183)

Propionate; Stable isotope; Bromophenacyl bromide (Walter, J.H. (182) 141)

Free fatty acids; Gas-liquid chromatography; Lipid extraction; Thin layer chromatography (Tichelaar, H.Y. (183) 207)

3-Methoxy-4-hydroxyphenylglycol; MHPG; Gas chromatography (Piletz, J.E. (185) 165)

**Plasma dexamethasone**

Dexamethasone suppression test; Depressive disorder (Lejeune-Lenain, C. (179) 13)

**Plasma DOPA**

3,4-Dihydroxyphenylalanine; Cerebrospinal fluid DOPA; 3-O-Methyldopa; HPLC-ECO (Boomsma, F. (178) 59)

**Plasma lipoprotein**

Erythrocyte; Cholesterol; Sickle cell anemia (Ngogang, J. (179) 295)

Infantile visceral Leishmaniasis; Apolipoprotein A-I; Apolipoprotein A-II; Apolipoprotein B; Gel permeation chromatography; Two-dimensional immunoelectrophoresis (Bekaert, E.D. (184) 181)

**Plasma oxalate**

Oxalate oxidase; Chronic renal failure; Vitamin C; Ascorbate oxidase (Rojton, H.A. (182) 247)

**Plasma porphyrin**

*Porphyria cutanea tarda* (Adjarov, D.G. (181) 143)

**Plasma sodium transport**

Erythrocyte; Furosemide; Ouabain (Tepper, T. (179) 133)

**Plasmin**

Plasminogen activators; Chromogenic method; Corneal and conjunctival diseases; Tears (Törzsér, J. (183) 323)

**Plasminogen activators**

Plasmin; Chromogenic method; Corneal and conjunctival diseases; Tears (Törzsér, J. (183) 323)

**Platelet**

Psoriasis; Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte (Corrocher, R. (179) 121)

**Platelet-derived growth factor**

Radioimmunoassay (RIA); Monoclonal antibody (Shiraishi, T. (184) 65)

**Polyacrylamide gel electrophoresis**

Creatine kinase BB isoenzyme; Radioimmunoassay; Human placenta (Geng, J.-G. (181) 1)

**Polyamine**

Gastrointestinal tract decontamination; Urinary tract infection; Microbial polyamine synthesis (Satink, H.P.W.M. (179) 305)

**Polyethylene glycol**

Fibronectin; Immune complexes; Arthritis; Synovial fluid (Griffiths, A.M. (184) 133)

**Polymerase chain reaction (PCR)**

Biotinylated oligonucleotides; Enzymatic amplification; Allele specific oligonucleotide analysis; alpha-1-Antitrypsin (Gregersen, N. (182) 151)

**Polymorphism**

Transthyretin; Prealbumin; PCR method; DNA diagnosis (Sakaki, Y. (185) 289)

Liver/bone/kidney; Placental; Intestinal; Placental-like; DNA; Malignancy (Harris, H. (186) 133)

**Porphobilinogen deaminase**

Acute intermittent porphyria; ELISA (Lannfelt, L. (183) 227)

**Porphyria cutanea tarda**

Plasma porphyrin (Adjarov, D.G. (181) 143)

**Porphyrin**

Photosensitizer; Light; Hydrogen peroxide; Singlet oxygen (Menon, I.A. (186) 375)

**Prealbumin**

Polymorphism; Transthyretin; PCR method; DNA diagnosis (Sakaki, Y. (185) 289)

**Precision**

Serum lipoprotein; Assay; Variability; Storage; Accuracy (Tiedink, H.G.M. (180) 147)

**Prediction**

Alkaline phosphatase; Three dimensional structure; Structure refinement (Kim, E.E. (186) 175)

**Predictive value**

Secretin pancreozymin test; Percentile estimate; Multivariate analysis; Receiver-operator curve (Hunt, L.P. (186) 91)

**Pregnancy**

$\beta$ -D-N-Acetylglucosaminidase isozyme; Automated procedure; Human plasma (Goi, G. (179) 327)

Serum human chorionic gonadotrophin levels (Ooi, D.S. (181) 281)

Cholestasis; Liver cirrhosis; Enzyme immunoassay;  $\beta$ -Hexosaminidase; Isoenzyme; Monoclonal antibodies; Serum (Isaksson, A. (183) 155)

SADA; Sex; Age; Intraindividual variation (Åvall-Lundqvist, E. (185) 35)

 **$\alpha_2$  Pregnancy-associated protein**

Normal pregnancy; Serum concentration; Rocket assay (Nakai, M. (182) 103)

**Premature baby**

2,3-Butanediol; Acetoin; Capillary gas chromatography; Mass spectrometry; Gut bacteria (Mills, G.A. (179) 51)

**Prenatal diagnosis**

HPLC;  $^{35}$ S-Cystine; Cystinosis (Hall, N.A. (184) 1)

**Pretreatment with Oradexone and Ambroxol**

Red blood cell; Antioxidant enzyme; Lipid peroxidation comparison (Novák, Z. (182) 241)

**Primary biliary cirrhosis**

Antimitochondrial antibodies; Radioimmunoassay; Enzyme immunoassay (Plebani, M. (181) 201)

**Primary hyperparathyroidism**

Parathyroid hormone; Immunoassay; Chemiluminescence (St. John, A. (178) 215)

**Processing**

Deoxynojirimycin; Diabetes; alpha-Glucosidase; Glycogenosis; Lysosome (Wisselaar, H.A. (182) 41)

**Procollagen**

Selenium; Liver; Cirrhosis; Fibrosis; Fibronectin (Casaril, M. (182) 221)

**Procollagen III peptide**

Fibronectin; Liver fibrosis; Alcohol liver disease (Gabrielli, G.B. (179) 315)

**Progesteragen-dependent endometrial protein**

Placental protein 14; Amniotic fluid; Endometrial protein; Protein purification; Amino acid sequence (Riittinen, L. (184) 19)

**Progesterone receptor**

Breast cancer; Proto-oncogenes; *int-2*; *c-erbB-2*; *c-myc*; Lymph node; Estrogen receptor (Machotka, S.V. (184) 207)

**Prolidase deficiency**

Leukocytes prolidase (Kodama, H. (180) 65)

**Propionate**

Stable isotope; Bromophenacyl bromide; Plasma (Walter, J.H. (182) 141)

**Prostaglandin E<sub>2</sub>**

Second antibody solid-phase enzyme immunoassay; Human gastric juice (Orsini, B. (178) 305)

**Prostatic carcinoma**

Glutathione peroxidase; Glutathione transferase; Glutathione-related enzyme activity (Aceto, A. (183) 83)

**Protease inhibitor**

Trypsin; Trypsinogen; Pancreatitis; Uremia; Immunoassay (Kimland, M. (184) 31)

**Protein C**

Protein S; Free protein S; C4b-binding protein; Acquired protein S deficiency (Takahashi, H. (182) 195)

Homogeneous EIA (H-EIA); Horseradish peroxidase (HRP) (Suzuki, K. (184) 227)

**Protein kinase C**

Sphingosine; Lysosphingolipid (Hannun, Y.A. (185) 331)

**Protein purification**

Placental protein 14; Amniotic fluid; Endometrial protein; Amino acid sequence; Progesteragen-dependent endometrial protein (Riittinen, L. (184) 19)

**Protein S**

Free protein S; C4b-binding protein; Protein C; Acquired protein S deficiency (Takahashi, H. (182) 195)

ELISA; C4b-BP-protein S complexes; Free protein S; Protein S deficiency; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

**Protein S deficiency**

Protein S; ELISA; C4b-BP-protein S complexes; Free protein S; Thrombosis (Deutz-Terlouw, P.P. (186) 321)

**Proteinuria**

Albuminuria; Immunoassay; Diabetic nephropathy (Neuman, R.G. (179) 229)

Sickle cell disease; Renal disease; Electrophoresis (Lonsdorfer, A. (181) 239)

**Proto-oncogenes**

Breast cancer; *int-2*; *c-erbB-2*; *c-myc*; Lymph node; Estrogen receptor; Progesterone receptor (Machotka, S.V. (184) 207)

**Protoporphyrin IX**

Zinc protoporphyrin; Lead poisoning; Iron deficiency (Orfanos, A.P. (181) 213)

**Pseudouridine**

Modified nucleoside; Hepatocellular carcinoma; Tumor marker (Amuro, Y. (178) 151)

Modified nucleoside; Anti-pseudouridine monoclonal antibody; Inhibition ELISA; Urine, from cancer patients (Itoh, K. (181) 305)

**Psoriasis**

Oil; Fatty acid; Malondialdehyde; Glutathione-peroxidase; Bleeding; Membrane; Erythrocyte; Platelet (Corrocher, R. (179) 121)

Cation; Transport; Fatty acid; Lipid; Membrane; Erythrocyte (Corrocher, R. (186) 335)

**Pulmonary alveolar proteinosis**

Bronchoalveolar lavage fluid; Pulmonary surfactant; Phosphatidylglycerol; Phosphatidylinositol (Honda, Y. (181) 11)

**Pulmonary surfactant**

Pulmonary alveolar proteinosis; Bronchoalveolar lavage fluid; Phosphatidylglycerol; Phosphatidylinositol (Honda, Y. (181) 11)

**Purification**

Dipeptidyl aminopeptidase IV; Human kidney (Wolf, G.B. (179) 61)

**Purine catabolites**

Human heart; Myocardial ischemia; Xanthine oxidase; Adenosine (Smolefski, R.T. (182) 63)

**Pyrazinamide**

5-Hydroxypyrazinamide; Allopurinol; Oxyurinol; Xanthine oxidase; Xanthinuria (Yamamoto, T. (180) 169)

**Pyridinium ion**

Nicotinamide *N*-methyltransferase; Methyl conjugation; Ion-pairing; Liver enzyme (Rini, J. (186) 359)

**Pyrimidine nucleoside phosphorylase**

Uridine; 5'-Deoxy-5-fluorouridine; High-performance liquid chromatography (Laurensse, E.J. (178) 71)

**Pyrimidine 5'-nucleotidase**

Pyrimidine nucleotides; Heterozygote detection; UDP-*N*-acetylhexosamines (De Korte, D. (184) 175)

**Pyrimidine nucleotides**

Pyrimidine 5'-nucleotidase; Heterozygote detection; UDP-*N*-acetylhexosamines (De Korte, D. (184) 175)

# Q

**Quality control**

Gonadotrophin; Pituitary; Blood analysis; Immunoassay; Monoclonal antibody; Test interference (Seth, J. (186) 67)

**Quantitation**

Gas chromatography; Mass spectrometry; Vitamin D<sub>2</sub> metabolites; Plasma (Coldwell, R.D. (180) 157)

# R

## Radioenzyme assay

Drugs; Histamine (Harvima, R.J. (180) 231)

## Radioimmunoassay

Urinary kallikrein; Trypsin activation; Bioassay; Essential hypertension (Maier, M. (178) 127)

Atrial natriuretic peptide; Exercise; Blood sampling condition (Tan, A.C.I.T.L. (179) 1)

Creatine kinase BB isoenzyme; Human placenta; Polyacrylamide gel electrophoresis (Geng, J.-G. (181) 1)

Primary biliary cirrhosis; Antimitochondrial antibodies; Enzyme immunoassay (Plebani, M. (181) 201)

Fibronectin; Lipoprotein; Atherosclerosis (Cseh, K. (182) 75)

Deoxyribonuclease I; Enzymatic assay; Cancer; Deoxyribonuclease I inhibitor (Miyauchi, K. (184) 115)

Glutathione S-transferase; Human; Bile; Bile salts (Howie, A.F. (184) 269)

Neuropeptide Y (NPY); Chronic renal failure; Uremia; Phaeochromocytoma (Stridsberg, M. (185) 61)

Recombinant erythropoietin (Matsubara, K. (185) 177)

Alkaline phosphatase; Enzyme immunoassay; Monoclonal antibody (Hill, C.S. (186) 315)

## Radioimmunoassay (RIA)

Platelet-derived growth factor; Monoclonal antibody (Shiraishi, T. (184) 65)

## Radioisotopic exchange-HPLC

Acylcarnitine; Urine, human (Schmidt-Sommerfeld, E. (181) 231)

## Radiometric analysis

Metabolism; Androstenedione; Placenta; Aromatization; Hypertension (Hähnel, M.E. (181) 103)

## ras

G protein; Signal transduction (Yamamoto, K. (185) 345)

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## Recombinant erythropoietin

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## Reductase

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**Reference values**

Electrolyte; Circadian variations; Seasonal variations; Aging (Touitou, Y. (180) 245)

CSF-albumin; Multiple sclerosis; Children; Meningitis (Öhman, S. (181) 265)

Amino acids; Cerebrospinal fluid; Childhood; Ion-exchange chromatography with fluorimetric detection (Gerrits, G.P. (182) 271)

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$\gamma$ -Glutamyl transpeptidase; Sugar-chain heterogeneity; Serial lectin affinity chromatography; Kidney (Arai, K. (184) 75)

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**Secretin pancreozymin test**

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**Serum enzyme**  
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**Small cell lung carcinoma**

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**Sodium-Potassium pump**

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**T<sub>4</sub>**

Anti-thyroid hormone antibody; T<sub>3</sub>; ANS (Matsuda, M. (185) 139)

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Hemodialysis (Cailleux, A. (181) 75)

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**Trypsinogen**  
Trypsin; Pancreatitis; Protease inhibitor; Uremia; Immunoassay (Kimland, M. (184) 31)

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## Xanthinuria

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Xanthine oxidase; Hypoxanthine; Xanthine; Ex-  
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# Leukotrienes and Lipoxygenases

edited by J. ROKACH, Merck Frosst Canada Inc.,  
Pointe-Claire-Dorval, Quebec, Canada

(*Bioactive Molecules, 11*)

Important advances have been made in the chemistry and biochemistry of the leukotrienes mainly as a result of the development of new biophysical and biochemical methodologies. The extraordinary effort of many scientists and the interactions of many scientific disciplines has created a vast amount of data and information and, with it, the need for a book addressing all aspects of this multidisciplinary field.

This book meets that need. It comprises six chapters which together provide a cohesive interdisciplinary coverage of the field, from the organic, analytical aspect to the biological sciences.

Among the subjects dealt with are many aspects of the leukotriene field which have not been covered in detail before, i.e. the numerous methodologies employed in the detection, localization and quantitation of lipoxygenase products; the role of leukotrienes in human disease states; leukotriene antagonists and lipoxygenase inhibitors, and potential therapeutic agents.

The book brings together a wide variety of material to give a valuable overview of this important subject. It will be useful to many scientists and will undoubtedly help stimulate future advances in the field of leukotrienes and lipoxygenases.

**Contents:** Chemistry of the Leukotrienes and Other Lipoxygenase Products (C.K. Lau, J. Adams, Y. Guindon, J. Rokach). Synthesis of peptide leukotrienes. Synthesis of LTB<sub>4</sub> and other diHETES. Synthesis of the HETES. The lipoxins: synthesis and identification of the natural products. Biochemistry of the Lipoxygenase Pathways (A.L. Maycock, S.-S. Pong, J.F. Evans, R.A. Miller). Leukotriene biosynthetic pathways. Enzymes. Leukotriene receptors. Lipoxygenase products of cells. Assay Methods for Various Lipoxygenase Products (R.N. Young, Y. Girard). Bioassay of leukotrienes. Analysis of leukotrienes by HPLC. Immunoassays of leukotrienes and related lipoxygenase products. Analysis of leukotrienes by MS. Pharmacology and Pathophysiology of Leukotrienes (T.R. Jones, G. Letts, C.-C. Chan, P. Davies). Leukotrienes and respiratory function. Cardiovascular actions of the leukotrienes. Pharmacology of the leukotrienes: skin, eye and gastrointestinal tract. Leukotrienes and inflammation. Evidence for the Involvement of Leukotrienes and other Lipoxygenase Products in Disease States (A.W. Ford-Hutchinson). Psoriasis. Other skin diseases. Inflammatory diseases. Bronchial asthma. Other allergic conditions. Shock reactions. Cardiovascular system. Enzyme Inhibitors and Leukotriene Receptor Antagonists (B.J. Fitzsimmons, J. Rokach). Enzyme inhibitors. Receptor antagonists. Conclusions. Subject Index.

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